

# *Bibliography*

## Bibliography

1. Schramek, D. et al., Direct in vivo RNAi screen unveils myosin IIa as a tumor suppressor of squamous cell carcinomas. *Science*, 343(6168):309-313, 2014.
2. Sher, T., et al., Small cell lung cancer. *Mayo Clinic Proceedings*, 83(3):355-367, 2008.
3. Shaw, A. T., et al., Clinical features and outcome of patients with non-small-cell lung cancer who harbor EML4-ALK. *Journal of clinical oncology*, 27(26):4247, 2009.
4. Behera, D. and Balamugesh, T. Lung cancer in India. *Indian J Chest Dis Allied Sci*, 46:269-281, 2004.
5. Global Cancer Observatory: Cancer Today. International Agency for Research on Cancer. Lyon, France. Retrieve on 18 May, 2022 from <https://gco.iarc.fr/today>.
6. Choudhari, A.S., et al., Phytochemicals in cancer treatment: From preclinical studies to clinical practice. *Frontiers in pharmacology*, 10:1614, 2020.
7. Rani, D., et al. Advances in cancer nanomedicine. *Journal of the Indian Institute of Science*, 92(2):187-218 2012.
8. Treatment of lung cancer by radiation. Retrieve on 20 May, 2022 from <http://kkkmedicine.blogspot.in/2010/03/treatment-of-lung-cancer-by-radiation.html>.
9. Costa, F., et al. Cancer chemoprevention by resveratrol: The p53 tumor suppressor protein as a promising molecular target. *Molecules*, 22(6):1014 2017.
10. Stöppler, M. C. Lung cancer. Retrieve on 05 June, 2022 from [http://www.medicinenet.com/lung\\_cancer/article.html](http://www.medicinenet.com/lung_cancer/article.html).
11. Bharathi, A and Natarajan, A. M. Microarray gene expression cancer diagnosis using Machine Learning algorithms. *International Conference on Signal and Image Processing, 2010*, pp. 275-280, 2010
12. Verpoorte, R. Medicinal Plants: A Renewable Resource for Novel Leads and Drugs. In: Ramawat, K. (eds) Herbal Drugs: Ethnomedicine to Modern Medicine. *Springer*, Berlin, Heidelberg. 2009

13. Verpoorte, R., Kim H. K. and Choi, Y. H. New perspectives. In: Bogers RJ, Craker LE, Lange D (eds) *Medicinal and Aromatic Plants – Agricultural, Commercial, Ecological, Legal, Pharmacological and Social Aspects*. Springer, Dordrecht 261, 2006.
14. Perry MC. In “The chemotherapy sourcebook” Baltimore, Williams & Wilkins, pp. 318-358, 1992
15. Harvey AL. Medicines from nature: are natural products still relevant to drug discovery? *Trends pharmacol Sci*, 20:196-198, 1999.
16. Ruiz-Torres, V, et al. An updated review on marine anticancer compounds: The use of virtual screening for the discovery of small-molecule cancer drugs. *Molecules*, 22(7):1037, 2017
17. Bertino JR. Irinotecan for colorectal cancer. *Semin Oncol* (24):18-23, 1997.
18. Cadow, J., et al. PaccMann: a web service for interpretable anticancer compound sensitivity prediction. *Nucleic acids research*, 48(W1):W502-W508, 2020.
19. Flavopiridol, K. L. The first cyclin-dependent kinase inhibitor to enter the clinic: current status. *Expert Opin Invest Drugs* 9:2903-2911 2000.
20. Harmon AD., Weiss U., et al. The structure of rohitukine, the main alkaloid of *Amoora rohituka* (syn. *Aphanamixis polystachya*) (Meliaceae) [leaves and stems]. *Tetrahydron* 8:721-724, 1979.
21. Maher, T., et al. Medicinal Plants with anti-leukemic effects: A review. *Molecules*, 26(9):2741, 2021.
22. Majolo, F., et al. Medicinal plants and bioactive natural compounds for cancer treatment: Important advances for drug discovery. *Phytochemistry Letters*, 31:196-207, 2019.
23. Lee, J. Y., et al. Genistein as a potential anticancer agent against ovarian cancer. *Journal of Traditional and Complementary Medicine*, 2:96-104, 2012.
24. Messing, E., et al. "A Phase 2 Cancer Chemoprevention Biomarker Trial of Isoflavone G-2535 (Genistein) in Presurgical Bladder Cancer Patients" Chemoprevention Trial of Genistein in Bladder Cancer. *Cancer prevention research*, 5(4):621-630, 2012.

25. Vranová, I., et al. The Anticancer Drug Ellipticine Induces Cytochromes P450 1A1, 1A2 and 3A, Cytochrome b5 and NADPH: Cytochrome P450 Oxidoreductase in Rat Liver, Kidney and Lung. *Int. J. Electrochem. Sci*, 8:1586-1597, 2013.
26. Stiborová, M., et al. Ellipticine oxidation and DNA adduct formation in human hepatocytes is catalyzed by human cytochromes P450 and enhanced by cytochrome b5. *Toxicology*, 302(2-3):233-241, 2012.
27. Zhan, Y. P., et al. Clinical safety and efficacy of Kanglaite®(Coix Seed Oil) injection combined with chemotherapy in treating patients with gastric cancer. *Asian Pacific Journal of Cancer Prevention*, 13(10):5319-5321, 2012.
28. Mahoney, S., et al. Cytotoxic effects of the novel isoflavone, phenoxodiol, on prostate cancer cell lines. *Journal of biosciences*, 37(1):73-84, 2012.
29. Mi, Q., et al. Pervilleine F, a new tropane alkaloid aromatic ester that reverses multidrug resistance." *Anticancer research*, 23(5A):3607-3615, 2003.
30. Kim, S., et al. Silvestrol, a potential anticancer rocaglate derivative from *Aglaia foveolata*, induces apoptosis in LNCaP cells through the mitochondrial/apoptosome pathway without activation of executioner caspase-3 or-7." *Anticancer research*, 27(4B):2175-2183, 2007.
31. Liang, Y., et al. Berbamine, a novel nuclear factor  $\kappa$ B inhibitor, inhibits growth and induces apoptosis in human myeloma cells. *Acta Pharmacologica Sinica*, 30(12):1659-1665, 2009.
32. Kapoor, S., et al.. Emerging role of berbamine as an anti-cancer agent in systemic malignancies besides chronic myeloid leukemia. *J Zhejiang Univ Sci B.*, 13(9):761-762, 2012.
33. Jain, S., et al. Medicinal plants for treatment of cancer: A brief review. *Pharmacognosy Journal*, 8(2): 87-102, 2016.
34. Binothman, N. Phytochemical Based Nano Design for Cancer: A Recent Update. *International Journal of Pharmaceutical Investigation*, 12(2):151-159, 2022.
35. Hashem, S., et al. Targeting cancer signaling pathways by natural products: Exploring promising anti-cancer agents. *Biomedicine & Pharmacotherapy*, 150:113054, 2022.

36. Al-Yozbaki, M., et al. Therapeutic potential of natural compounds in lung cancer. *Current Medicinal Chemistry*, 28(39):7988-8002, 2021.
37. Kasala, E. R., et al. Benzo (a) pyrene induced lung cancer: role of dietary phytochemicals in chemoprevention. *Pharmacological Reports*, 67(5):996-1009, 2015.
38. Singh, P., et al. Himalayan plants as a source of anti-cancer agents: a review. *The Natural Products Journal*, 3(4):296-308, 2013.
39. Tripathi, P. and Singh, A. Natural resources from plants in the treatment of cancer: an update. *Asian J Pharm Clin Res*, 10(7):13-22, 2017.
40. Shakya, A. K. Medicinal plants: Future source of new drugs. *International Journal of Herbal Medicine*, 4(4):59-64, 2016.
41. Hamid I. W., et al. Anticancer Activity of *Centella asiatica* Leaves Extract in Benzo (a) pyrene-Induced Mice. *International Journal of Pharmacognosy and Phytochemical Research*, 8(1):80- 84, 2015.
42. Kim E. K., et al. Purification and characterization of a novel anticancer peptide derived from *Ruditapes philippinarum*. *Process Biochemistry*, 48(7):1086-1090, 2013.
43. Ranjan, A., et al. Role of phytochemicals in cancer prevention. *International journal of molecular sciences*, 20(20):4981, 2019.
44. Kithan, C. and Daiho, L. First Report of *Curvularia aeria* on *Etlingera linguiformis* from Nagaland, India. *Plant disease*, 98 (11), 2014.
45. Shah, R. K. A Review on Ethnobotanical uses of *Smilax ovalifolia*. *International Journal of Herbal Medicine*, 3(2):16-19, 2015.
46. Priyavardhini, S., et al. Efficacy of Phytochemical and Antibacterial activity of *Corallocarpus epigaeus* Hook.f. *Int.J. PharmTech Res*, 4(1):35-38, 2012.
47. Kharb, M., et al. A review on medicinal plants used as a source of anticancer agents. *Int. J. Drug Res. Tech.*, 2(2):177-183, 2012.
48. Rajesh, V. and Perumal, P. Cytoprotective effect of *Smilax zeylanica* Linn. Leaves against benzo (a) pyrene induced lung cancer with reference to lipid peroxidation and antioxidant system in Swiss albino mice. *Oriental Pharm Exp Med*, 13(4): 267–77, 2013.

49. Malhotra, J., et al. Risk factors for lung cancer worldwide. *European Respiratory Journal*, 48(3):889-902, 2016.
50. Sekido, Y., et al. Progress in understanding the molecular pathogenesis of human lung cancer. *Biochimica et Biophysica Acta (BBA), Reviews on Cancer*, 1378(1):F21-F59, 1998.
51. Herbst, R. S., et al. The biology and management of non-small cell lung cancer. *Nature*, 553(7689):446-454, 2018.
52. Saini, A., et al. Cancer causes and treatments. *International Journal of Pharmaceutical Sciences and Research*, 11:3109, 2020.
53. Sánchez, D. R., et al. Socio-economic inequalities in lung cancer outcomes: an overview of systematic reviews. *Cancers*, 14(2):398, 2022.
54. Eltayeb, K., et al. Reprogramming of lipid metabolism in lung cancer: An overview with focus on EGFR-Mutated non-small cell lung cancer. *Cells*, 11(3):413, 2022.
55. Chen, Y., et al. PD-1 inhibitor causes pathological injury to multiple organs in a Lewis lung cancer mouse model. *International Immunopharmacology*, 105:108551, 2022.
56. Kaya, S. I., et al. Recent achievements and challenges on nanomaterial based electrochemical biosensors for the detection of colon and lung cancer biomarkers. *Sensors and Actuators B: Chemical*, 351:130856, 2022.
57. Xie, S., et al. The metastasizing mechanisms of lung cancer: recent advances and therapeutic challenges. *Biomedicine & Pharmacotherapy*, 138:111450, 2021.
58. Robles-Oteiza, C., & Wu, C. J. (2022). Editorial overview: Vaccines: Reinvigorating therapeutic cancer vaccines. *Current Opinion in Immunology*, 76, 102176.
59. Xue, Y., Wang, L., Zhang, Y., Zhao, Y., & Liu, Y. (2022). Air pollution: A culprit of lung cancer. *Journal of Hazardous Materials*, 128937
60. American Cancer Society. Cancer Facts & Figures, 2015. Available online at <http://www.cancer.org/acs/groups/content/@editorial/documents/document/acspc044552.pdf>

61. Hecht, S. S. Tobacco smoke carcinogens and lung cancer. *J Natl Cancer Inst*, 91:1194-210, 1999.
62. Whitrow, M. J., et al. Environmental exposure to carcinogens causing lung cancer: epidemiological evidence from the medical literature. *Respirology*, 8:513-21, 2003.
63. Dubin, S. and Griffin, D. Lung Cancer in Non-Smokers. *Mo Med*, 117(4):375-379, 2020.
64. United States Environmental Protection Agency. Health Risk of Radon. Retrieved on September, 2022 from <https://www.epa.gov/radon/health-risk-radon>
65. Krewski, D., et al. Residential radon and risk of lung cancer: a combined analysis of 7 North American case-control studies. *Epidemiology*, 16:137-45, 2005.
66. Krewski, D., et al. A combined analysis of North American case-control studies of residential radon and lung cancer. *J Toxicol Environ Health A*, 69:533-97, 2006.
67. Darby, S., et al. Radon in homes and risk of lung cancer: collaborative analysis of individual data from 13 European case-control studies. *BMJ*, 330:223, 2005.
68. Hodgson, J. T. and Darnton, A. The quantitative risks of mesothelioma and lung cancer in relation to asbestos exposure. *Ann Occup Hyg*, 44:565-601, 2000.
69. Berman, D. W. and Crump, K. S. A meta-analysis of asbestos-related cancer risk that addresses fiber size and mineral type. *Crit Rev Toxicol*, 38(1):49-73, 2008.
70. Stayner, L., et al. An epidemiological study of the role of chrysotile asbestos fibre dimensions in determining respiratory disease risk in exposed workers. *Occup Environ Med*, 65:613-9, 2008.
71. van Loon, A. J., et al. Occupational exposure to carcinogens and risk of lung cancer: results from The Netherlands cohort study. *Occup Environ Med*, 54:817-24, 1997.
72. Spyrtos, D., et al. Occupational exposure and lung cancer. *J Thorac Dis*, 5(4):S440-5, 2013.
73. Vineis, P. and Husgafvel-Pursiainen, K. Air pollution and cancer: biomarker studies in human populations. *Carcinogenesis*, 26:1846-55, 2005.
74. Pope, C. A., et al. Lung cancer, cardiopulmonary mortality, and long-term exposure to fine particulate air pollution. *JAMA*, 287:1132-41, 2002.
75. Sellers, T. and Yang, P. Familial and genetic influences on risk of lung cancer. In: King R, Rotter J, Motulsky A. editors. *The Genetic Basis of Common Diseases*. New York: NY, Oxford University, 700-12, 2002.

76. Hwang, S. J., et al. Lung cancer risk in germline p53 mutation carriers: association between an inherited cancer predisposition, cigarette smoking, and cancer risk. *Hum Genet*, 113:238-43, 2003.
77. Thorgeirsson, T. E., et al. A variant associated with nicotine dependence, lung cancer and peripheral arterial disease. *Nature*, 452(7187):638-642, 2008.
78. Hung, R. J., et al. A susceptibility locus for lung cancer maps to nicotinic acetylcholine receptor subunit genes on 15q25. *Nature*, 452(7187):633-637, 2008.
79. Amos, C. I., et al. Genome-wide association scan of tag SNPs identifies a susceptibility locus for lung cancer at 15q25.1. *Nat Genet*, 40:616-22, 2008.
80. Siwik, C. J., et al. Depressive symptoms among patients with lung cancer: Elucidating the roles of shame, guilt, and self-compassion. *Journal of Health Psychology*, 27(5), 1039-1047, 2022.
81. Peravali, M., et al. A systematic review and meta-analysis of clinical characteristics and outcomes in patients with lung cancer with coronavirus disease 2019. *JTO clinical and research reports*, 2(3):100141, 2021.
82. Howington, J. A., et al. Treatment of 298 Zappa and Mousa. Non-small cell lung cancer treatments of stage I and II non-small cell lung cancer: Diagnosis and management of lung cancer, 3rd ed: American College of Chest Physicians evidence-based clinical practice guidelines. *Chest*, 143:e278S-313S, 2013.
83. Chemotherapy in non-small cell lung cancer: a metaanalysis using updated data on individual patients from 52 randomised clinical trials. Non-small Cell Lung Cancer Collaborative Group. *BMJ*, 311:899-909, 1995.
84. Ramalingam, S. and Belani, C. Systemic chemotherapy for advanced non-small cell lung cancer: recent advances and future directions. *Oncologist*, 13(1):5-13, 2008.
85. Masters, G. A., et al. Systemic Therapy for Stage IV Non-Small-Cell Lung Cancer: American Society of Clinical Oncology Clinical Practice Guideline Update. *J Clin Oncol*, 33:3488-515, 2015.
86. Kelly, K., et al. Randomized phase III trial of paclitaxel plus carboplatin versus vinorelbine plus cisplatin in the treatment of patients with advanced non--small-cell lung cancer: a Southwest Oncology Group trial. *J Clin Oncol*, 19:3210-8, 2001.



87. Scagliotti, G. V., et al. Phase III randomized trial comparing three platinum-based doublets in advanced non-small-cell lung cancer. *J Clin Oncol*, 20:4285-91, 2002.
88. Schiller, J. H., et al. Comparison of four chemotherapy regimens for advanced non-smallcell lung cancer. *N Engl J Med*, 346:92-8, 2002.
89. Fossella, F., et al. Randomized, multinational, phase III study of docetaxel plus platinum combinations versus vinorelbine plus cisplatin for advanced non-small-cell lung cancer: the TAX 326 study group. *J Clin Oncol*, 21:3016-24, 2003.
90. Gridelli, C., et al. Treatment of advanced non-small-cell lung cancer patients with ECOG performance status 2: results of an European Experts Panel. *Ann Oncol*, 15:419-26, 2004.
91. Pisters, K. M., et al. Cancer Care Ontario and American Society of Clinical Oncology adjuvant chemotherapy and adjuvant radiation therapy for stages I-IIIa resectable non small-cell lung cancer guideline. *J Clin Oncol*, 25:5506-18, 2007.
92. Scott, W. J., et al. Treatment of non-small cell lung cancer stage I and stage II: ACCP evidence-based clinical practice guidelines (2nd edition). *Chest*, 132:234S-242S, 2007.
93. Amini, A., et al. Stereotactic body radiation therapy (SBRT) for lung cancer patients previously treated with conventional radiotherapy: a review. *Radiat Oncol*, 9:210, 2014.
94. Grutters, J. P., et al. Comparison of the effectiveness of radiotherapy with photons, protons and carbon-ions for non-small cell lung cancer: a meta-analysis. *Radiother Oncol*, 95:32-40, 2010.
95. Fakiris, A. J., et al. Stereotactic body radiation therapy for early-stage non-small-cell lung carcinoma: four-year results of a prospective phase II study. *Int J Radiat Oncol Biol Phys*, 75:677-82, 2009.
96. Timmerman, R., et al. Stereotactic body radiation therapy for inoperable early stage lung cancer. *JAMA*, 303:1070-6, 2010.
97. Jasper, K., et al. Practical management of oligometastatic non-small-cell lung cancer. *Journal of Clinical Oncology*, 40(6):635-641, 2022.
98. Yin, X., et al. Small cell lung cancer transformation: From pathogenesis to treatment. *Semin Cancer Biol*. 8:S1044-579X(22)00062-1, 2022.
99. To, C., et al. An allosteric inhibitor against the therapy-resistant mutant forms of EGFR in non-small cell lung cancer. *Nature Cancer*, 3(4):402-417, 2022.

100. Pham, J., et al. Excess mortality and undertreatment in elderly lung cancer patients: treatment nihilism in the modern era. *ERJ open research*, 7(2):00393-2020, 2021.
101. Harchand, A. and Rani, N. Medicinal Herbs for Treatment of Cancer. *International Journal of Recent Advances in Multidisciplinary Topics*, 3(5):101-106, 2022.
102. Ranjan, A., et al. Role of phytochemicals in cancer prevention. *International journal of molecular sciences*, 20(20):4981, 2019.
103. Maher, T., et al. Medicinal Plants with anti-leukemic effects: A review. *Molecules*, 26(9):2741, 2021.
104. Majolo, F., et al. Medicinal plants and bioactive natural compounds for cancer treatment: Important advances for drug discovery. *Phytochemistry Letters*, 31:196-207, 2019.
105. Jain, S., et al. Medicinal plants for treatment of cancer: A brief review. *Pharmacognosy Journal*, 8(2): 87-102, 2016.
106. Binothman, N. Phytochemical Based Nano Design for Cancer: A Recent Update. *International Journal of Pharmaceutical Investigation*, 12(2):151-159, 2022.
107. Hashem, S., et al. Targeting cancer signaling pathways by natural products: Exploring promising anti-cancer agents. *Biomedicine & Pharmacotherapy*, 150:113054, 2022.
108. Nerkar, A. G., et al. Anti-cancer agents from natural sources: A review. *Current Trends in Pharmacy and Pharmaceutical Chemistry*, 3(4):38-46, 2021.
109. Rajasekar, N., et al. An overview on the role of plant-derived tannins for the treatment of lung cancer. *Phytochemistry*, 188:112799, 2021.
110. Al-Yozbaki, M., et al. Therapeutic potential of natural compounds in lung cancer. *Current Medicinal Chemistry*, 28(39):7988-8002, 2021.
111. Vijayakurup, V., et al. Chitosan Encapsulation Enhances the Bioavailability and Tissue Retention of Curcumin and Improves its Efficacy in Preventing B [a] P-induced Lung Carcinogenesis Chitosan Nanocurcumin: A Potent Lung Cancer Chemopreventive. *Cancer Prevention Research*, 12(4):225-236, 2019.
112. Kasala, E. R., et al. Benzo (a) pyrene induced lung cancer: role of dietary phytochemicals in chemoprevention. *Pharmacological Reports*, 67(5):996-1009, 2015.
113. Singh, P., et al. Himalayan plants as a source of anti-cancer agents: a review. *The Natural Products Journal*, 3(4):296-308, 2013.

114. Tripathi, P. and Singh, A. Natural resources from plants in the treatment of cancer: an update. *Asian J Pharm Clin Res*, 10(7):13-22, 2017.
115. Ali, R., et al. Amelioration of Benzo[a]pyrene-induced oxidative stress and pulmonary toxicity by Naringenin in Wistar rats: A plausible role of COX-2 and NF- $\kappa$ B, *Human Experimental toxicology*, 36(4):349-364, 2016.
116. Shakya, A. K. Medicinal plants: Future source of new drugs. *International Journal of Herbal Medicine*, 4(4):59-64, 2016.
117. Hamid, I. W., et al. Anticancer Activity of *Centella asiatica* Leaves Extract in Benzo (a) pyrene-Induced Mice. *International Journal of Pharmacognosy and Phytochemical Research*, 8(1):80-84, 2015.
118. Rupachandra, S. and Sarada, D. V. L. Anticancer activity of methanol extract of the seeds of *Borreria hispida* and *Momordica dioica*. *Journal of Pharmacy Research*, 6(5): 565-568, 2013.
119. Madhuri, S. and Pandey, G. Some anticancer medicinal plants of foreign Origin. *Current Science*, 96(6):779-83, 2009.
120. Huang, M. Y., et al. Anticancer drug discovery from Chinese medicinal herbs. *Chin Med*, 13:35, 2018.
121. Wu, X., et al. Antitumor Research of the Active Ingredients from Traditional Chinese Medical Plant *Polygonum Cuspidatum*. *Evid Based Complement Alternat Med.*, 2018:2313021, 2018.
122. Ashraf, M. A. Phytochemicals as potential anticancer drugs: time to ponder nature's bounty. *BioMed research international*, 2020:8602879, 2020.
123. Heng, W. S., et al. Understanding lung carcinogenesis from a morphostatic perspective: Prevention and therapeutic potential of phytochemicals for targeting cancer stem cells. *International journal of molecular sciences*, 22(11):5697, 2021.
124. Tay, K. C., et al. Formononetin: a review of its anticancer potentials and mechanisms. *Frontiers in pharmacology*, 10:820, 2019.
125. Liu, D., et al. Potential of curcumin and resveratrol as biochemical and biophysical modulators during lung cancer in rats. *Drug and Chemical Toxicology*, 42(3):328-334, 2019.

126. Ayumi, H., et al. Analyses of Free and Bound Phenolics in Rice, *Food Science and Technology Research*, 5(1):74-79, 1999.
127. Subba Rao M. and Muralikrishna, G. Evaluation of the Antioxidant Properties of Free and Bound Phenolic Acids from Native and Malted Finger Millet (Ragi, *Eleusine coracana* Indaf-15), *J. Agric. Food Chem.*, 50(4):889–892, 2002.
128. Eruslanov, E. and Kusmartsev, S. Identification of ROS using oxidized DCFDA and flow-cytometry. *Methods in molecular biology (Clifton, N.J.)*. 594:57-72, 2010.
129. Rousselle, C. C., et al. Cytometric assessment of mitochondria using fluorescent probes. *Journal of quantitative cell science*, 79A(6):405-425, 2011.
130. Cooper GM. *The Cell: A Molecular Approach*. 2nd edition. Sunderland (MA): Sinauer Associates; 2000. The Eukaryotic Cell Cycle. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK9876/>
131. Cheng, J., et al. Reversible Accumulation of PEGylated Single-Walled Carbon Nanotubes in the Mammalian Nucleus. *ACS nano*. 2:2085:94, 2008.

# *Publications*

## Publications

### Journals

1. **Baishya P**, Ramteke A (2022) Bound polyphenols extracted from *Etlintera linguiformis* arrests cell cycle and induce apoptosis in lung cancer cells, *International Journal of All Research Education and Scientific Methods (IJARESM)*, 10(9):843-850.
2. Alam T, Biswas S, Bezborah K, Begum S, Pathak M, Phukan S, **Baishya P**, Das K, Roy J, Sarkar S, Borah S, Khuttiya M (2021) A Retrospective Study of COVID-19 Cases Based on Age and Gender in Patient's Visiting Tertiary Care Centre, Tezpur Medical College and Hospital, Tezpur, Assam, *Int.J.Curr.Microbiol.App.Sci.*, 10(9);128-139.
3. Begum Y, **Baishya P**, Das MJ, Chakraborty S, Deka SC (2020) Novel approach for the development of dietary fibre-anthocyanin enriched functional bread from culinary banana bract, *International Journal of Food Science & Technology*, 55(11).
4. Das MJ, Das A, Chakraborty S, **Baishya P**, Ramteke A, Deka SC (2020) Effects of microwave combined with ultrasound treatment on the pasteurization and nutritional properties of bottle gourd (*Lagenariasiceraria* ) juice, *Journal of Food Processing and Preservation*, 44(3).
5. Khatun B, **Baishya P**, Ramteke A, Maji TK (2020) Study of the complexation of structurally modified curcumin with hydroxypropyl beta cyclodextrin and its effect on anticancer activity, *New Journal of Chemistry*, 44 (12);4887-4897.
6. Ojah N, Saikia D, Gogoi D, **Baishya P**, Ahmed GA, Ramteke A, Choudhury AJ (2019) Surface modification of core-shell silk/PVA nanofibers by oxygen dielectric barrier discharge plasma: Studies of physico-chemical properties and drug release behavior, *Applied Surface Science*, 475; 219–229.
7. Paul S, Das MK, **Baishya P**, Ramteke A, Farooq M, Gogoi N, Baroowa B (2017) High temperature induced disturbances in the vascular bundle and over expression of sucrose phosphate synthase lead to yield loss in potato, *Scientia Horticulturae*, 225; 134-140.

8. Phanjom P, Sultana A, Sarma H, Ramchiary J, Goswami K, **Baishya P.** (2012) Plant mediated synthesis of silver nano particles using *Elaeagnus latifolia* leaf extract, *Digest Journal of Nanomaterials and Biostructures*, 7(3);1117 – 1123.

### **Book Chapters**

1. Das MK, **Baishya P**, Rajamani P, Deka SC, Ramteke A (2019) Recent Trend on Dietary Natural Products for Prevention and Treatment of Cancer, *Food Bioactives*, 59-85, DOI: 10.1201/9780429242793-3.
2. Hussain A, **Baishya P**, Das MK, Tiku AB, Ramteke A (2016) Antioxidant, cytotoxic and protective activities of *Nyctanthes arbor-tristis* Linn. *Recent Advances in Medicinal Plants Research of North East India, Proc. Nat. Sem., RAMPR-NE*;11-26.

### **International Conferences**

1. **Baishya P**, Ramteke A (2020) Free phenolics extracted from *Smilax ovalifolia* exhibits anti-proliferative and pro-apoptotic activity against lung cancer, *International symposium on emerging trends and challenges in cancer chemo prevention, diagnosis and therapeutics*, February 17-18, 2020.
2. **Baishya P**, Das M K and Ramteke A (2015) Cytotoxicity, anticancer efficacy, in vitro antioxidant potential and drug metabolizing enzyme profile of Jilmil, *International Symposium on "Current Advances in Radiobiology, Stem cells and Cancer Research*, held at Jawaharlal Nehru University, New Delhi, (India) on 19-21st February, 2015.
3. **Baishya P**, Das M K, Choudhury J and Ramteke A (2015) Assessment of Jilmil for its cytotoxicity, anticancer efficacy and in vitro antioxidant along with drug metabolizing enzyme profile, "Carcinogenesis 2015" *An International Conference on Molecular pathways to Therapeutics: Paradigms and Challenges in Oncology* organized by carcinogenesis Foundation, USA and ACTREC held at ACTREC, Navi Mumbai India on 11-13th February, 2015.
4. Das M K, **Baishya P**, Singh N, Ramteke A, (2020) Bioactive Free Phenolic (LF) Fraction from *Smilax ovalifolia Roxb.ex D.Don* with Potential Anticancer Efficacy

Against Breast Cancer, International symposium on emerging trends and challenges in cancer chemo prevention, diagnosis and therapeutics, February 17-18, 2020.

5. Hussain A, **Baishya P**, Das M K, Kumar R and Ramteke A (2015) Chemoprevention of Cancer: Role of Phytochemicals, National seminar on "Molecular Biology and Biotechnology Research in NE India (MBBRNEI)", held at Pub Kamrup College, Baihata Chariali, Guwahati, Assam (India) on 19-21st August, 2015.
6. Hussain A, Das M K, **Baishya P** and Ramteke A (2015) Leaf extract of Tita bahok exhibits significant antioxidant and promotes protective function against H<sub>2</sub>O<sub>2</sub> induced oxidative stress, International Symposium on "Current Advances in Radiobiology, Stem cells and Cancer Research, held at Jawaharlal Nehru University, New Delhi, (India) on 19-21st February, 2015.
7. Das M K, Choudhury J, **Baishya P** and Ramteke A (2015) Investigation of the Anti-oxidative and Anticancer properties of 'Gohona bon' International Symposium on "Current Advances in Radiobiology, Stem cells and Cancer Research, held at Jawaharlal Nehru University, New Delhi, (India) on 19-21st February, 2015.
8. Das M K, Dutta A, **Baishya P**, Chongtham J and Ramteke A (2015) Investigation of Anti-proliferative and Antioxidant efficacy of kumari-lota against breast cancer. International Symposium on "Current Advances in Radiobiology, Stem cells and Cancer Research, held at Jawaharlal Nehru University, New Delhi, (India) on 19-21st February, 2015.
9. Das M K, Dutta A, Chongtham J, **Baishya P** and Ramteke A (2015) Antioxidant, Cytotoxic and Apoptotic potential of 'karphool' against Breast cancer, International Symposium on "Current Advances in Radiobiology, Stem cells and Cancer Research, held at Jawaharlal Nehru University, New Delhi, (India) on 19-21st February, 2015.
10. Das M K, Chongtham J, Dutta A, **Baishya P**, and Ramteke A (2015) Assessment of Therapeutic potential of 'bok phool' International Symposium on "Current Advances in Radiobiology, Stem cells and Cancer Research, held at Jawaharlal Nehru University, New Delhi, (India) on 19-21st February, 2015.



11. Das M K, Dutta A, Chongtham J, **Baishya P** and Ramteke A (2015) Antioxidants, cell viability and Apoptosis are the targeting node for screening of anticancer efficacy of 'karphool' against Breast cancer, "Carcinogenesis 2015" An International Conference on Molecular pathways to Therapeutics: Paradigms and Challenges in Oncology organized by carcinogenesis Foundation, USA and ACTREC held at ACTREC, Navi Mumbai India on 11-13th February, 2015.
12. Das M K, Dutta A, **Baishya P**, Chongtham J and Ramteke A (2015) Evaluation of anticancer and antioxidant properties of 'kumari-lota' against breast cancer cell lines, "Carcinogenesis 2015" An International Conference on Molecular pathways to Therapeutics: Paradigms and Challenges in Oncology organized by carcinogenesis Foundation, USA and ACTREC held at ACTREC, Navi Mumbai India on 11-13th February, 2015.
13. Das M K, Chongtham J, **Baishya P**, Dutta A and Ramteke A (2015) Correlation of antioxidant, Xenobiotic metabolism and anti-proliferation efficacy of 'bok phool' against Breast Cancer, "Carcinogenesis 2015" An International Conference on Molecular pathways to Therapeutics: Paradigms and Challenges in Oncology organized by carcinogenesis Foundation, USA and ACTREC held at ACTREC, Navi Mumbai India on 11-13th February, 2015.
14. Das M K, Choudhury J, **Baishya P** and Ramteke A (2015) Xenobiotic Drug Metabolizing Enzymes, Antioxidant and Cytotoxic potential of 'Gohona bon' "Carcinogenesis 2015" An International Conference on Molecular pathways to Therapeutics: Paradigms and Challenges in Oncology organized by carcinogenesis Foundation, USA and ACTREC held at ACTREC, Navi Mumbai India on 11-13th February, 2015.
15. Das M K, Hussain A, Dey M, **Baishya P** and Ramteke A (2014) Phytochemical investigation, Free radical scavenging and antioxidant activity of Bokphul, 34th Annual Convention of Indian Association for Cancer Research, "Emerging Trends in Cancer Research: Road to Prevention & Cure" and International Symposium on Infection and Cancer, to be held at Rajiv Gandhi Centre for Biotechnology (RGCB), Kollam, (India) on 13-16th February, 2014.

## **Workshop and Training**

1. Attended the Hands-on Training cum Workshop on Molecular Diagnosis of 2019 Novel Corona Virus (SARS-CoV2) held at ICMR – Regional Medical Research Centre, N.E. Region, Dibrugarh, Assam during 09-10 September 2020.
2. Attended the Hands-on Workshop for Handling and Care of Laboratory Animals organized by Jawaharlal Nehru University, New Delhi, India during 11-14 February 2016.
3. Participated in the Basic and Clinical Flow Cytometry course workshop jointly organized by the Cytometric Society of India, Indian Institute of Technology, Guwahati and Cachar Cancer Hospital & Research Centre, Silchar, Assam during 10th-11th November, 2014.

## **Other Achievements**

1. Awarded Best Oral Presenter in International symposium on emerging trends and challenges in cancer chemo prevention, diagnosis and therapeutics, Tezpur University, India during February 17-18, 2020.
2. Awarded with the Certificate of Competence in Hands on Workshop for Handling and Care of Laboratory Animals organizes by School of Life Sciences, Jawaharlal Nehru University, New Delhi, India during 11-14 February 2016.
3. Awarded Professor Awtar Krishan prize in the Basic and Clinical Flow Cytometry course workshop jointly organized by the cytometric society of India, Indian Institute of Technology, Guwahati and Cachar Cancer Hospital & research Centre, Silchar during 10th-11th November, 2014.
4. Awarded with the Certificate of Appreciation for dedicated and selfless service towards the society as a COVID WARRIOR in the fight against COVID-19 pandemic, Tezpur Medical College and Hospital, Tezpur, Assam, 2021.
5. Awarded with the Certificate of Gratitude for selfless service towards the society as a COVID WARRIOR in the fight against COVID-19 pandemic by Rotary Club of Tezpur, Assam, 2020.

# *Appendix*

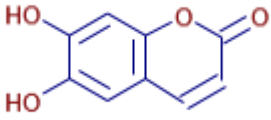
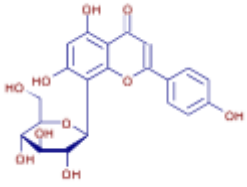
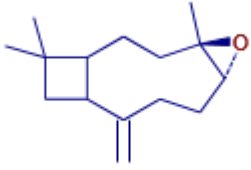
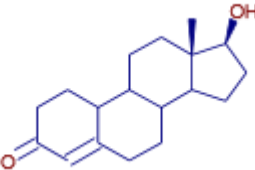
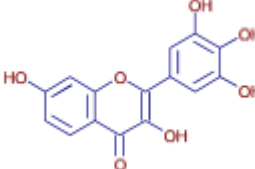
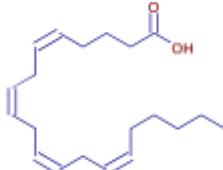
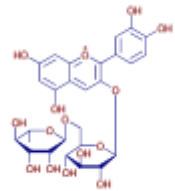

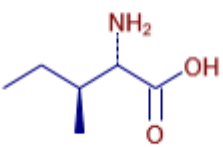
## GENERAL CHEMICALS

<b>SI No.</b>	<b>Buffer</b>	<b>Concentration</b>
I.	<b>Phosphate buffer saline (pH 7.4)</b>	
	NaCl	8 gm/L
	KCl	0.2 gm/L
	Na <sub>2</sub> HPO <sub>4</sub>	1.42 gm/L
	KH <sub>2</sub> PO <sub>4</sub>	0.24 gm/L
II.	<b>Sodium Citrate Buffer (pH to 6.0)</b>	
	Tri-sodium citrate (dihydrate)	2.94 g
	Tween 20	0.5 ml
	Distilled water	1000 ml

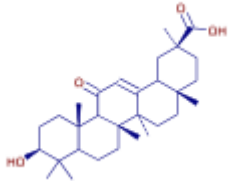
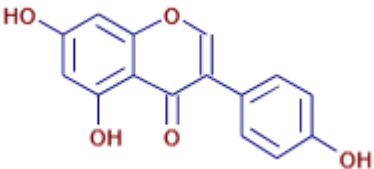
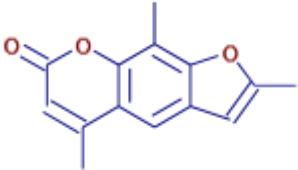
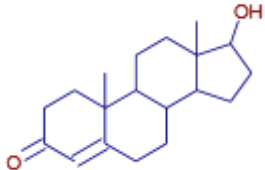
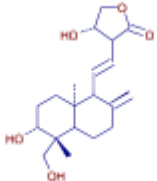
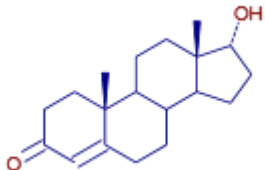
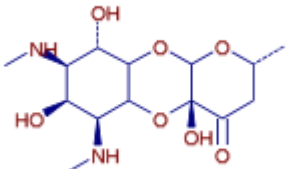
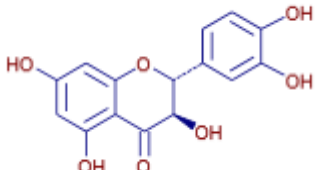
# *ANNEXURE*

*OHRLCMS\_CAN*



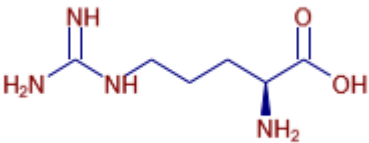
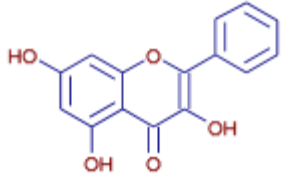
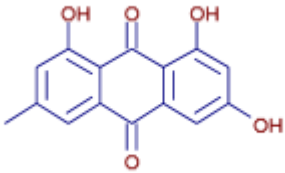
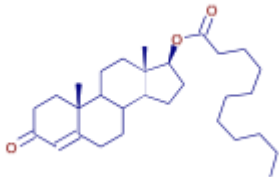
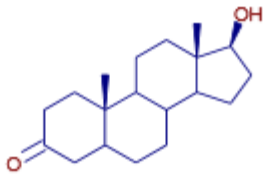
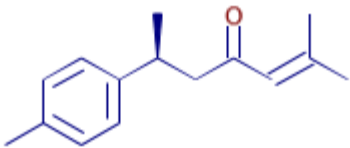
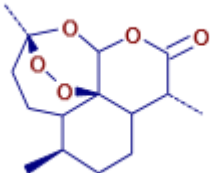
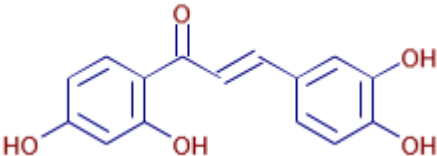
Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Esculetin	C <sub>9</sub> H <sub>6</sub> O <sub>4</sub>	178.02661	88.5	<a href="#">3417</a>
	Vitexin	C <sub>21</sub> H <sub>20</sub> O <sub>10</sub>	432.10565	86.9	<a href="#">6158</a>
	(-)-Caryophyllene oxide	C <sub>15</sub> H <sub>24</sub> O	220.18272	86.0	<a href="#">6554</a>
	19-Nortestosterone	C <sub>18</sub> H <sub>26</sub> O <sub>2</sub>	274.19328	84.2	<a href="#">288</a>
	Robinetin	C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>	302.04265	81.8	<a href="#">3476</a>
	Arachidonic acid	C <sub>20</sub> H <sub>32</sub> O <sub>2</sub>	304.24023	75.6	<a href="#">2742</a>
	 Keracyanin	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>	594.15847	75.1	<a href="#">6200</a>
	L-Isoleucine	C <sub>6</sub> H <sub>13</sub> N O <sub>2</sub>	131.09463	74.3	<a href="#">2244</a>



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	18-β-Glycyrrhetic acid	C <sub>30</sub> H <sub>46</sub> O <sub>4</sub>	470.33961	73.7	<a href="#">1281</a>
	Genistein	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	270.05282	73.3	<a href="#">24</a>
	Trioxsalen	C <sub>14</sub> H <sub>12</sub> O <sub>3</sub>	228.07864	73.1	<a href="#">3489</a>
	Testosterone	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	288.20893	72.5	<a href="#">674</a>
	Andrographolide	C <sub>20</sub> H <sub>30</sub> O <sub>5</sub>	350.20932	71.5	<a href="#">6152</a>
	Epitestosterone	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	288.20893	71.3	<a href="#">1833</a>
	Spectinomycin	C <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub>	332.15835	70.3	<a href="#">6230</a>
	Taxifolin	C <sub>15</sub> H <sub>12</sub> O <sub>7</sub>	304.05830	69.7	<a href="#">3490</a>



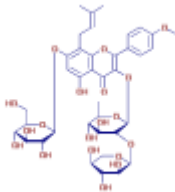

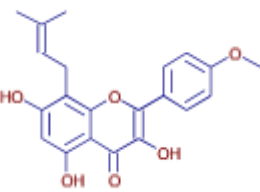
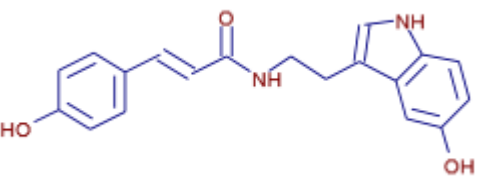
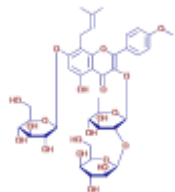
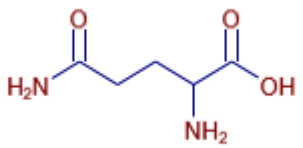
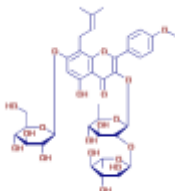
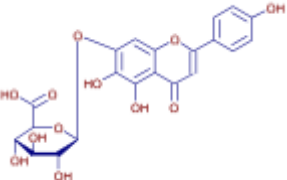


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	L-(+)-Arginine	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>	174.11168	68.8	<a href="#">2977</a>
	Galangin	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	270.05282	67.8	<a href="#">6197</a>
	Emodin	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	270.05282	67.2	<a href="#">1218</a>
	Testosterone undecanoate	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>	456.36035	66.9	<a href="#">2172</a>
	5α-Dihydrotestosterone	C <sub>19</sub> H <sub>30</sub> O <sub>2</sub>	290.22458	66.6	<a href="#">2931</a>
	(+)-ar-Turmerone	C <sub>15</sub> H <sub>20</sub> O	216.15142	61.4	<a href="#">6219</a>
	Artemisinin	C <sub>15</sub> H <sub>22</sub> O <sub>5</sub>	282.14672	61.1	<a href="#">6160</a>
	Butein	C <sub>15</sub> H <sub>12</sub> O <sub>5</sub>	272.06847	60.4	<a href="#">6222</a>

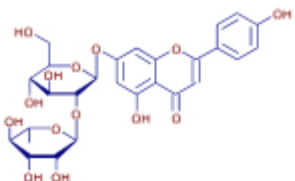
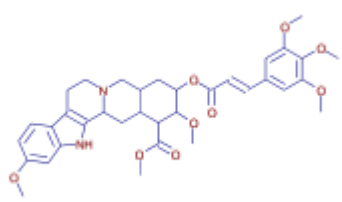
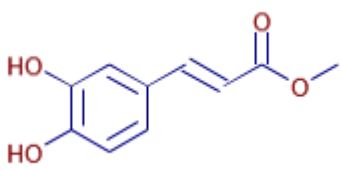
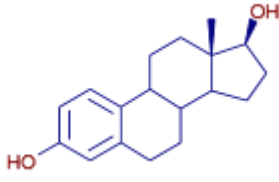
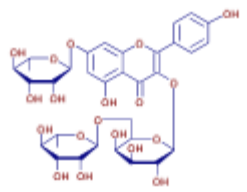
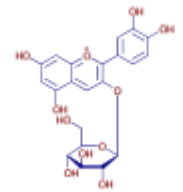

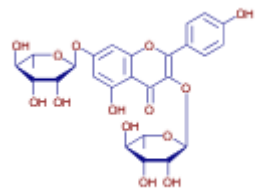
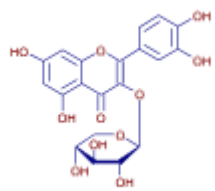


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	4-Methoxycinnamaldehyde	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>	162.06808	59.9	<a href="#">6556</a>
	6-Gingerol	C <sub>17</sub> H <sub>26</sub> O <sub>4</sub>	294.18311	59.6	<a href="#">7221</a>
	Testosterone acetate	C <sub>21</sub> H <sub>30</sub> O <sub>3</sub>	330.21949	58.6	<a href="#">2171</a>
	Dehydroepiandrosterone (DHEA)	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	288.20893	55.9	<a href="#">195</a>
	Cycloheximide	C <sub>15</sub> H <sub>23</sub> N O <sub>4</sub>	281.16271	54.0	<a href="#">2623</a>
	D-α-Tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	430.38108	53.1	<a href="#">328</a>
	Sakuranetin	C <sub>16</sub> H <sub>14</sub> O <sub>5</sub>	286.08412		<a href="#">3487</a>
	Baohuoside I	C <sub>27</sub> H <sub>30</sub> O <sub>10</sub>	514.18390		<a href="#">652</a>

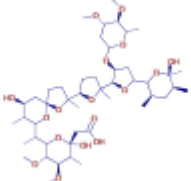
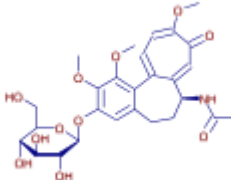
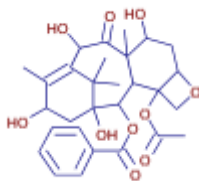
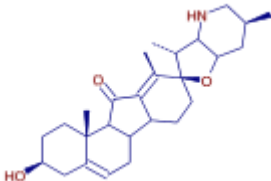
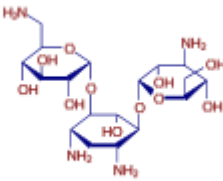
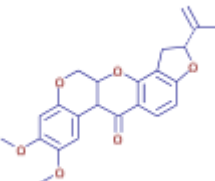
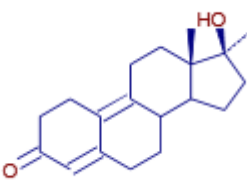
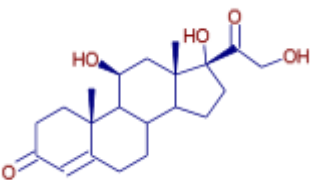


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Epimedin B	C <sub>38</sub> H <sub>48</sub> O <sub>19</sub>	808.27898		<a href="#">755</a>
	Icariin	C <sub>33</sub> H <sub>40</sub> O <sub>15</sub>	676.23672		<a href="#">749</a>
	Icaritin	C <sub>21</sub> H <sub>20</sub> O <sub>6</sub>	368.12599		<a href="#">763</a>
	N-(p-Coumaroyl) serotonin	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>	322.13174		<a href="#">6228</a>
	Epimedin A	C <sub>39</sub> H <sub>50</sub> O <sub>20</sub>	838.28954		<a href="#">754</a>
	DL-Glutamine	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	146.06914		<a href="#">2967</a>
	Epimedin C	C <sub>39</sub> H <sub>50</sub> O <sub>19</sub>	822.29463		<a href="#">756</a>
	Scutellarin	C <sub>21</sub> H <sub>18</sub> O <sub>12</sub>	462.07983		<a href="#">946</a>

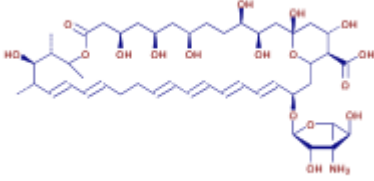
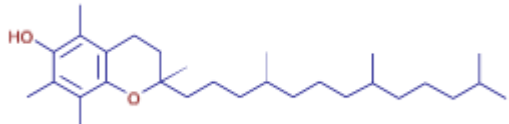
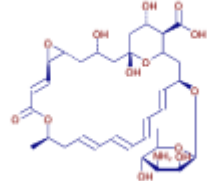


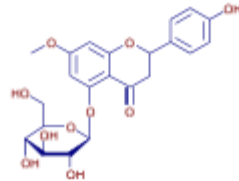
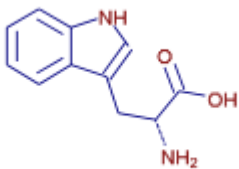
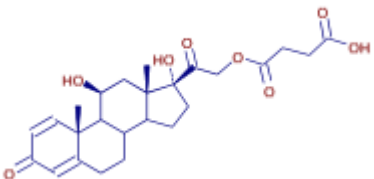


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Rhoifolin	C <sub>27</sub> H <sub>30</sub> O <sub>14</sub>	578.16356		<a href="#">3477</a>
	Rescinnamine	C <sub>35</sub> H <sub>42</sub> N <sub>2</sub> O <sub>9</sub>	634.28903		<a href="#">2283</a>
	Methyl caffeate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	194.05791		<a href="#">6243</a>
	β-Estradiol	C <sub>18</sub> H <sub>24</sub> O <sub>2</sub>	272.17763		<a href="#">3397</a>
	Robinin	C <sub>33</sub> H <sub>40</sub> O <sub>19</sub>	740.21638		<a href="#">3474</a>
	Kuromanin	C <sub>21</sub> H <sub>20</sub> O <sub>11</sub>	448.10056		<a href="#">6217</a>
	Kaempferitrin	C <sub>27</sub> H <sub>30</sub> O <sub>14</sub>	578.16356		<a href="#">6207</a>
	Reynoutrin	C <sub>20</sub> H <sub>18</sub> O <sub>11</sub>	434.08491		<a href="#">3483</a>

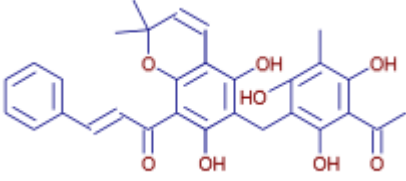
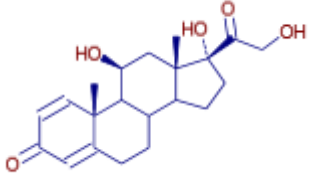
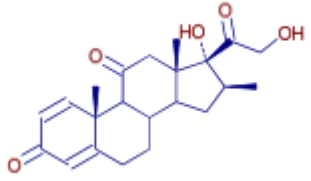
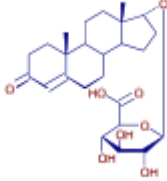
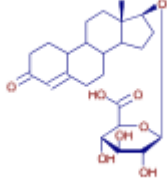
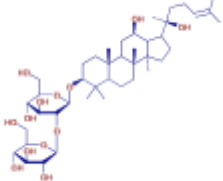
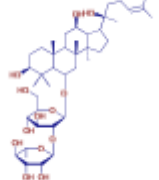
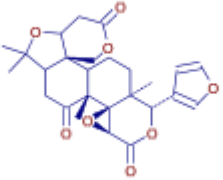


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Maduramicin	C <sub>47</sub> H <sub>80</sub> O <sub>17</sub>	916.53955		<a href="#">2526</a>
	Colchicoside	C <sub>27</sub> H <sub>33</sub> N O <sub>11</sub>	547.20536		<a href="#">3481</a>
	10-Deacetylbaccatin III	C <sub>29</sub> H <sub>36</sub> O <sub>10</sub>	544.23085		<a href="#">2550</a>
	Jervine	C <sub>27</sub> H <sub>39</sub> N O <sub>3</sub>	425.29299		<a href="#">2218</a>
	Kanamycin	C <sub>18</sub> H <sub>36</sub> N <sub>4</sub> O <sub>11</sub>	484.23806		<a href="#">2220</a>
	Rotenone	C <sub>23</sub> H <sub>22</sub> O <sub>6</sub>	394.14164		<a href="#">2268</a>
	Methyldienolone	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>	286.19328		<a href="#">6501</a>
	Cortisol	C <sub>21</sub> H <sub>30</sub> O <sub>5</sub>	362.20932		<a href="#">679</a>

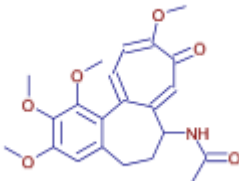
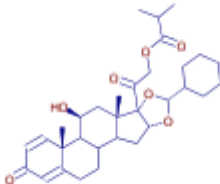
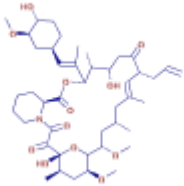
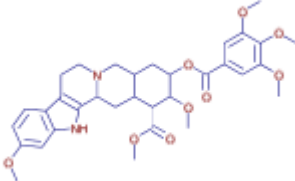
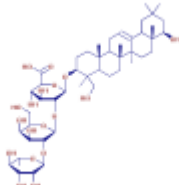
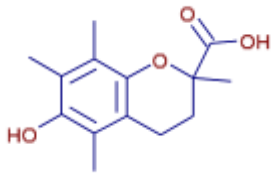
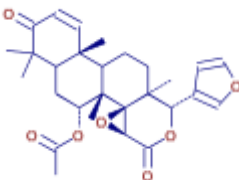



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Nystatin	C <sub>47</sub> H <sub>75</sub> N O <sub>17</sub>	925.50350		<a href="#">3365</a>
	DL-α-Tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	430.38108		<a href="#">3075</a>
	Natamycin	C <sub>33</sub> H <sub>47</sub> N O <sub>13</sub>	665.30474		<a href="#">6202</a>
	D,L-Camphor	C <sub>10</sub> H <sub>16</sub> O	152.12012		<a href="#">6584</a>
	D-(+)-Camphor	C <sub>10</sub> H <sub>16</sub> O	152.12012		<a href="#">2727</a>
	Sakuranin	C <sub>22</sub> H <sub>24</sub> O <sub>10</sub>	448.13695		<a href="#">3486</a>
	D-(+)-Tryptophan	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	204.08988		<a href="#">3173</a>
	Prednisolone 21-hemisuccinate	C <sub>25</sub> H <sub>32</sub> O <sub>8</sub>	460.20972		<a href="#">7172</a>



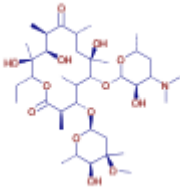
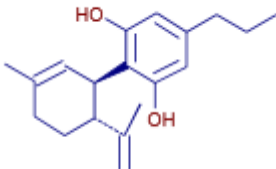
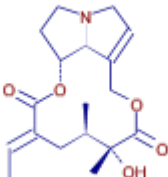
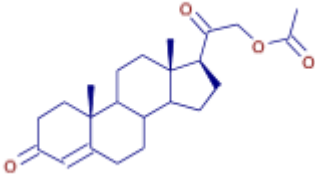
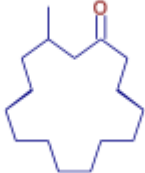
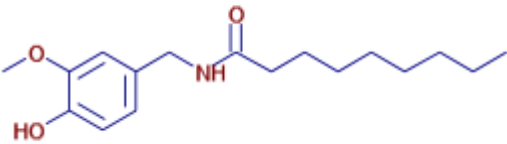
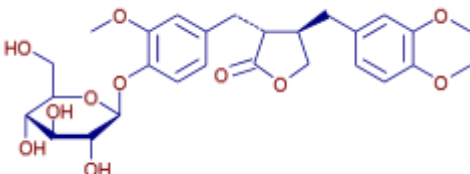
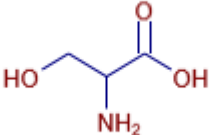
Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Rottlerin	C <sub>30</sub> H <sub>28</sub> O <sub>8</sub>	516.17842		<a href="#">3485</a>
	Prednisolone	C <sub>21</sub> H <sub>28</sub> O <sub>5</sub>	360.19367		<a href="#">7170</a>
	Meprednisone	C <sub>22</sub> H <sub>28</sub> O <sub>5</sub>	372.19367		<a href="#">2294</a>
	Epitestosterone glucuronide	C <sub>25</sub> H <sub>36</sub> O <sub>8</sub>	464.24102		<a href="#">7269</a>
	Nandrolone glucuronide	C <sub>24</sub> H <sub>34</sub> O <sub>8</sub>	450.22537		<a href="#">7341</a>
	Ginsenoside Rg3	C <sub>42</sub> H <sub>72</sub> O <sub>13</sub>	784.49729		<a href="#">6141</a>
	Ginsenoside Rg2	C <sub>42</sub> H <sub>72</sub> O <sub>13</sub>	784.49729		<a href="#">6167</a>
	Limonin	C <sub>26</sub> H <sub>30</sub> O <sub>8</sub>	470.19407		<a href="#">3493</a>



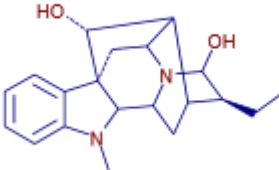
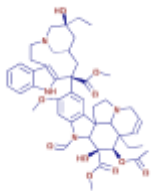
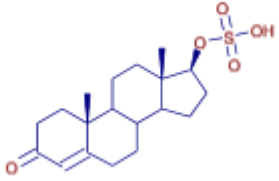
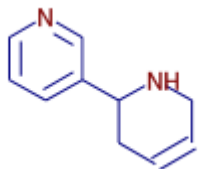
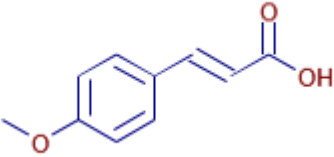
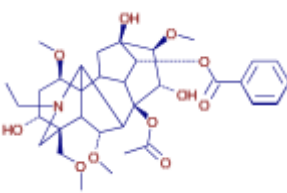
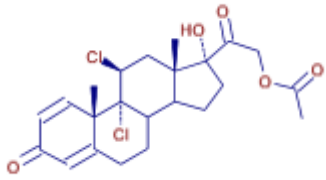
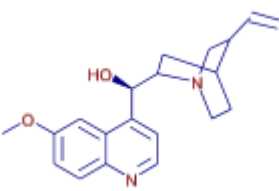
Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Colchicine	C <sub>22</sub> H <sub>25</sub> N O <sub>6</sub>	399.16819		<a href="#">1996</a>
	Ciclesonide	C <sub>32</sub> H <sub>44</sub> O <sub>7</sub>	540.30870		<a href="#">1978</a>
	Tacrolimus	C <sub>44</sub> H <sub>69</sub> N O <sub>12</sub>	803.48198		<a href="#">3213</a>
	Reserpine	C <sub>33</sub> H <sub>40</sub> N <sub>2</sub> O <sub>9</sub>	608.27338		<a href="#">941</a>
	Soyasaponin I	C <sub>48</sub> H <sub>78</sub> O <sub>18</sub>	942.51882		<a href="#">2981</a>
	Trolox	C <sub>14</sub> H <sub>18</sub> O <sub>4</sub>	250.12051		<a href="#">2532</a>
	Gedunin	C <sub>28</sub> H <sub>34</sub> O <sub>7</sub>	482.23045		<a href="#">3497</a>
	(-)-Camphor	C <sub>10</sub> H <sub>16</sub> O	152.12012		<a href="#">2759</a>



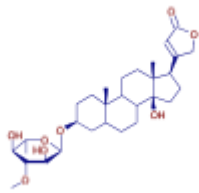
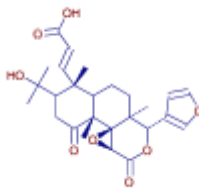
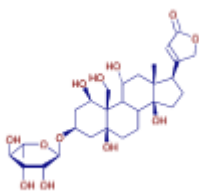
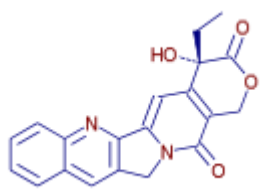
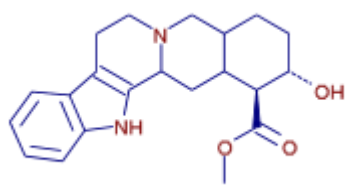
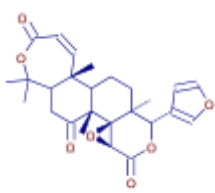
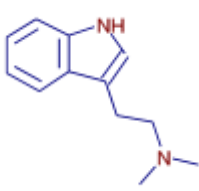
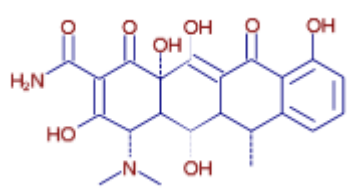


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	(-)-Erythromycin	C <sub>37</sub> H <sub>67</sub> N O <sub>13</sub>	733.46124		<a href="#">2533</a>
	Cannabidivarin	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>	286.19328		<a href="#">7352</a>
	Senecionine	C <sub>18</sub> H <sub>25</sub> N O <sub>5</sub>	335.17327		<a href="#">2248</a>
	Deoxycorticosterone acetate	C <sub>23</sub> H <sub>32</sub> O <sub>4</sub>	372.23006		<a href="#">2016</a>
	Muscone	C <sub>16</sub> H <sub>30</sub> O	238.22967		<a href="#">6153</a>
	Nonivamide	C <sub>17</sub> H <sub>27</sub> N O <sub>3</sub>	293.19909		<a href="#">2335</a>
	Arctiin	C <sub>27</sub> H <sub>34</sub> O <sub>11</sub>	534.21011		<a href="#">6225</a>
	DL-Serine	C <sub>3</sub> H <sub>7</sub> N O <sub>3</sub>	105.04259		<a href="#">2964</a>

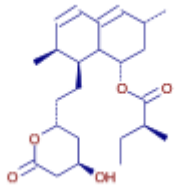
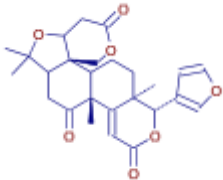
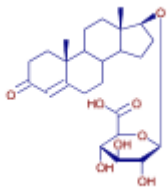
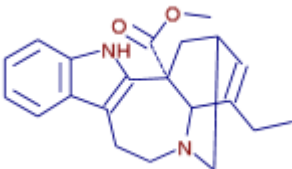
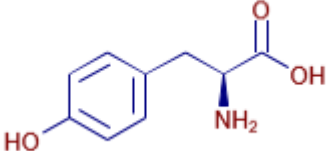
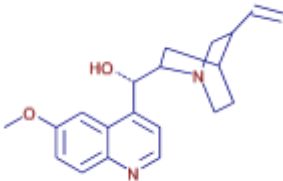
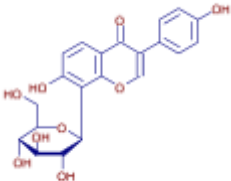
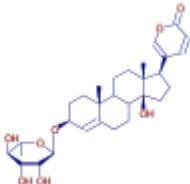


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Ajmaline	C <sub>20</sub> H <sub>26</sub> N <sub>2</sub> O <sub>2</sub>	326.19943		<a href="#">1868</a>
	Vincristine	C <sub>46</sub> H <sub>56</sub> N <sub>4</sub> O <sub>10</sub>	824.39964		<a href="#">1999</a>
	Testosterone sulfate	C <sub>19</sub> H <sub>28</sub> O <sub>5</sub> S	368.16574		<a href="#">7220</a>
	(R,S)-Anatabine	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub>	160.10005		<a href="#">6147</a>
	4-Methoxycinnamic acid	C <sub>10</sub> H <sub>10</sub> O <sub>3</sub>	178.06299		<a href="#">3427</a>
	Aconitine	C <sub>34</sub> H <sub>47</sub> N O <sub>11</sub>	645.31491		<a href="#">1867</a>
	Dichlorisone acetate	C <sub>23</sub> H <sub>28</sub> Cl <sub>2</sub> O <sub>5</sub>	454.13138		<a href="#">2031</a>
	Quinine	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>	324.18378		<a href="#">2303</a>

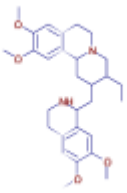
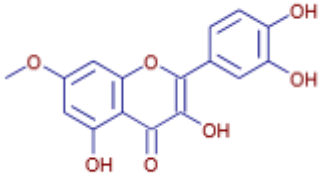
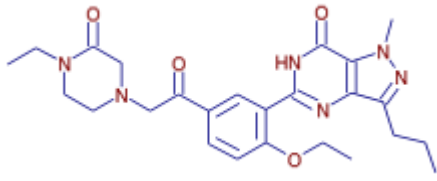
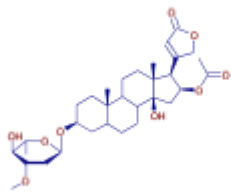
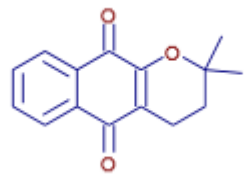
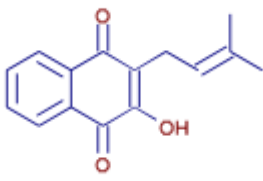
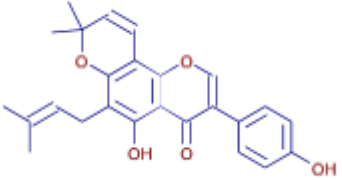
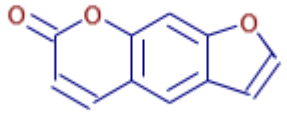


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Nerifolin	C <sub>30</sub> H <sub>46</sub> O <sub>8</sub>	534.31927		<a href="#">2438</a>
	Obacunoic acid	C <sub>26</sub> H <sub>32</sub> O <sub>8</sub>	472.20972		<a href="#">3492</a>
	Ouabain	C <sub>29</sub> H <sub>44</sub> O <sub>12</sub>	584.28328		<a href="#">2478</a>
	Camptothecin	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>	348.11101		<a href="#">6216</a>
	Rauwolscine	C <sub>21</sub> H <sub>26</sub> N <sub>2</sub> O <sub>3</sub>	354.19434		<a href="#">6214</a>
	Obacunone	C <sub>26</sub> H <sub>30</sub> O <sub>7</sub>	454.19915		<a href="#">3491</a>
	N,N-Dimethyltryptamine	C <sub>12</sub> H <sub>16</sub> N <sub>2</sub>	188.13135		<a href="#">2399</a>
	Doxycycline	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>8</sub>	444.15327		<a href="#">2734</a>

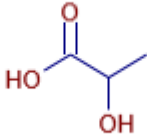
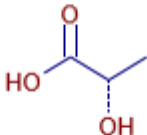
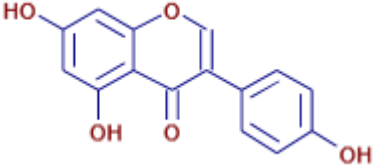
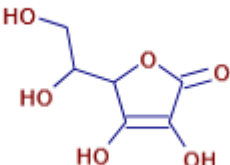
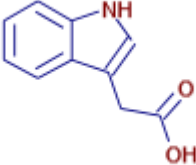
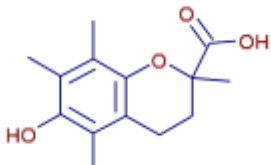
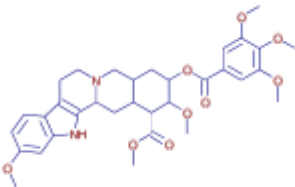
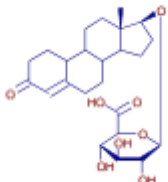


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Lovastatin	C <sub>24</sub> H <sub>36</sub> O <sub>5</sub>	404.25627		<a href="#">3314</a>
	Deoxylimonin	C <sub>26</sub> H <sub>30</sub> O <sub>7</sub>	454.19915		<a href="#">3494</a>
	Testosterone glucuronide	C <sub>25</sub> H <sub>36</sub> O <sub>8</sub>	464.24102		<a href="#">7218</a>
	Catharanthine	C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>	336.18378		<a href="#">6199</a>
	L-Tyrosine	C <sub>9</sub> H <sub>11</sub> N O <sub>3</sub>	181.07389		<a href="#">2255</a>
	Quinidine	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>	324.18378		<a href="#">2304</a>
	Puerarin	C <sub>21</sub> H <sub>20</sub> O <sub>9</sub>	416.11073		<a href="#">6195</a>
	Proscillaridin A	C <sub>30</sub> H <sub>42</sub> O <sub>8</sub>	530.28797		<a href="#">2338</a>

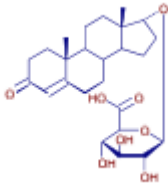
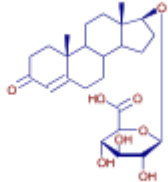
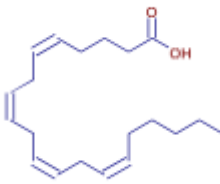
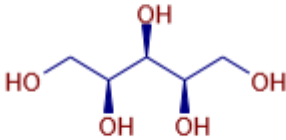
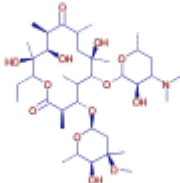
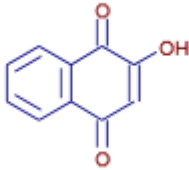
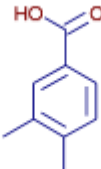
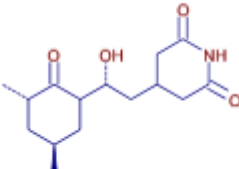


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Emetine	C <sub>29</sub> H <sub>40</sub> N <sub>2</sub> O <sub>4</sub>	480.29881		<a href="#">2070</a>
	Rhamnetin	C <sub>16</sub> H <sub>12</sub> O <sub>7</sub>	316.05830		<a href="#">3480</a>
	Oxohongdenafil	C <sub>25</sub> H <sub>32</sub> N <sub>6</sub> O <sub>4</sub>	480.24850		<a href="#">862</a>
	Oleandrin	C <sub>32</sub> H <sub>48</sub> O <sub>9</sub>	576.32983		<a href="#">2489</a>
	$\alpha$ -Lapachone	C <sub>15</sub> H <sub>14</sub> O <sub>3</sub>	242.09429		<a href="#">3428</a>
	Lapachol	C <sub>15</sub> H <sub>14</sub> O <sub>3</sub>	242.09429		<a href="#">3422</a>
	Osajin	C <sub>25</sub> H <sub>24</sub> O <sub>5</sub>	404.16237		<a href="#">3464</a>
	Psoralen	C <sub>11</sub> H <sub>6</sub> O <sub>3</sub>	186.03169		<a href="#">3470</a>

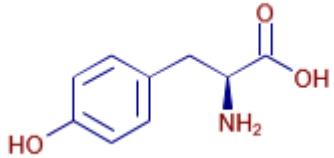
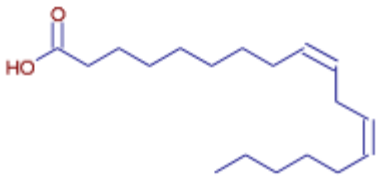
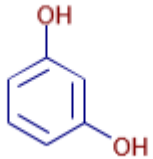
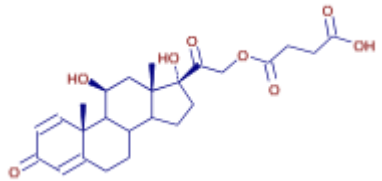
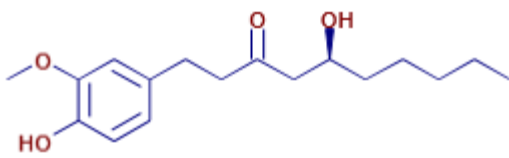
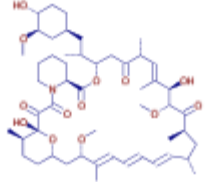
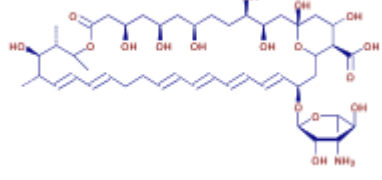
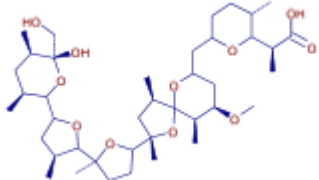


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	DL-Lactic Acid	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	90.03169	91.0	<a href="#">2603</a>
	L-(+)-Lactic acid	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	90.03169	91.0	<a href="#">2582</a>
	Genistein	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	270.05282	77.2	<a href="#">24</a>
	Ascorbic acid	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	176.03209	61.5	<a href="#">325</a>
	Indole-3-acetic acid	C <sub>10</sub> H <sub>9</sub> N O <sub>2</sub>	175.06333	59.2	<a href="#">445</a>
	Trolox	C <sub>14</sub> H <sub>18</sub> O <sub>4</sub>	250.12051	51.5	<a href="#">2532</a>
	Reserpine	C <sub>33</sub> H <sub>40</sub> N <sub>2</sub> O <sub>9</sub>	608.27338		<a href="#">941</a>
	Nandrolone glucuronide	C <sub>24</sub> H <sub>34</sub> O <sub>8</sub>	450.22537		<a href="#">7341</a>



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Epitestosterone glucuronide	C <sub>25</sub> H <sub>36</sub> O <sub>8</sub>	464.24102		<a href="#">7269</a>
	Testosterone glucuronide	C <sub>25</sub> H <sub>36</sub> O <sub>8</sub>	464.24102		<a href="#">7218</a>
	Arachidonic acid	C <sub>20</sub> H <sub>32</sub> O <sub>2</sub>	304.24023		<a href="#">2742</a>
	Xylitol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	152.06847		<a href="#">3192</a>
	(-)-Erythromycin	C <sub>37</sub> H <sub>67</sub> N O <sub>13</sub>	733.46124		<a href="#">2533</a>
	2-Hydroxy-1,4-naphthoquinone	C <sub>10</sub> H <sub>6</sub> O <sub>3</sub>	174.03169		<a href="#">1730</a>
	3,4-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	150.06808		<a href="#">2597</a>
	Cycloheximide	C <sub>15</sub> H <sub>23</sub> N O <sub>4</sub>	281.16271		<a href="#">2623</a>



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	L-Tyrosine	C <sub>9</sub> H <sub>11</sub> N O <sub>3</sub>	181.07389		<a href="#">2255</a>
	Linoleic acid	C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>	280.24023		<a href="#">2706</a>
	Resorcinol	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	110.03678		<a href="#">2793</a>
	Prednisolone 21-hemisuccinate	C <sub>25</sub> H <sub>32</sub> O <sub>8</sub>	460.20972		<a href="#">7172</a>
	6-Gingerol	C <sub>17</sub> H <sub>26</sub> O <sub>4</sub>	294.18311		<a href="#">7221</a>
	Sirolimus	C <sub>51</sub> H <sub>79</sub> N O <sub>13</sub>	913.55514		<a href="#">2511</a>
	Nystatin	C <sub>47</sub> H <sub>75</sub> N O <sub>17</sub>	925.50350		<a href="#">3365</a>
	Nigericin	C <sub>40</sub> H <sub>68</sub> O <sub>11</sub>	724.47616		<a href="#">3406</a>



# mzCloud Results

14-Feb-2020 10:29



---

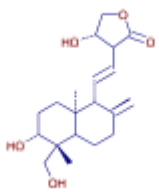
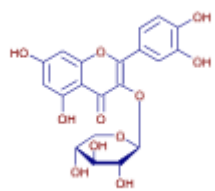
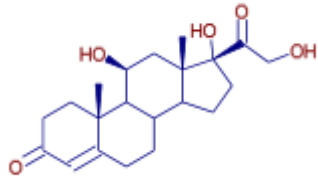
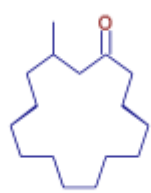
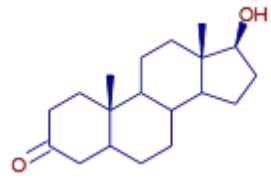
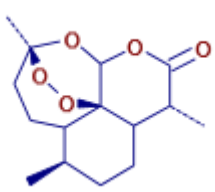
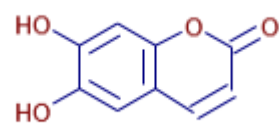
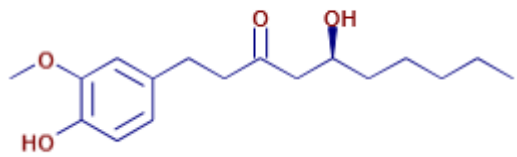
Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
-----------	------	---------	------------------	------------	------------

*OHRLCMS\_LEX*



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Rhamnetin	C <sub>16</sub> H <sub>12</sub> O <sub>7</sub>	316.05830	92.4	<a href="#">3480</a>
	Robinetin	C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>	302.04265	90.5	<a href="#">3476</a>
	19-Nortestosterone	C <sub>18</sub> H <sub>26</sub> O <sub>2</sub>	274.19328	83.5	<a href="#">288</a>
	Arachidonic acid	C <sub>20</sub> H <sub>32</sub> O <sub>2</sub>	304.24023	83.0	<a href="#">2742</a>
	L-(+)-Arginine	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>	174.11168	82.4	<a href="#">2977</a>
	Taxifolin	C <sub>15</sub> H <sub>12</sub> O <sub>7</sub>	304.05830	80.8	<a href="#">3490</a>
	Keracyanin	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>	594.15847	77.2	<a href="#">6200</a>
	Kuromanin	C <sub>21</sub> H <sub>20</sub> O <sub>11</sub>	448.10056	73.9	<a href="#">6217</a>

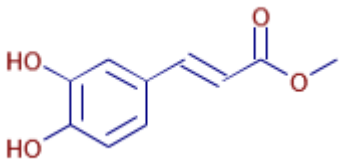
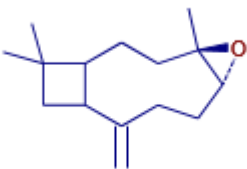
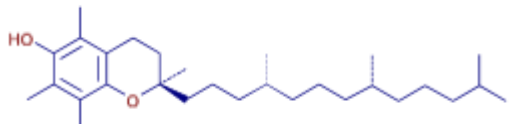
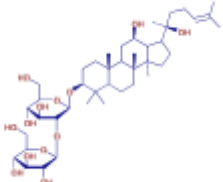
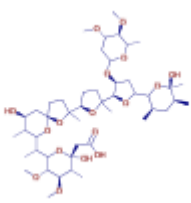
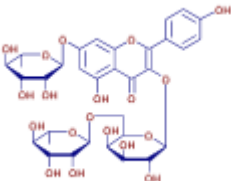
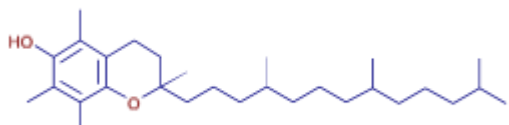
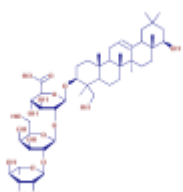


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Andrographolide	C <sub>20</sub> H <sub>30</sub> O <sub>5</sub>	350.20932	72.4	<a href="#">6152</a>
	Reynoutrin	C <sub>20</sub> H <sub>18</sub> O <sub>11</sub>	434.08491	67.9	<a href="#">3483</a>
	Cortisol	C <sub>21</sub> H <sub>30</sub> O <sub>5</sub>	362.20932	66.9	<a href="#">679</a>
	Muscone	C <sub>16</sub> H <sub>30</sub> O	238.22967	66.8	<a href="#">6153</a>
	5 $\alpha$ - Dihydrotestosteron e	C <sub>19</sub> H <sub>30</sub> O <sub>2</sub>	290.22458	65.9	<a href="#">2931</a>
	Artemisinin	C <sub>15</sub> H <sub>22</sub> O <sub>5</sub>	282.14672	62.5	<a href="#">6160</a>
	Esculetin	C <sub>9</sub> H <sub>6</sub> O <sub>4</sub>	178.02661	60.3	<a href="#">3417</a>
	6-Gingerol	C <sub>17</sub> H <sub>26</sub> O <sub>4</sub>	294.18311	58.1	<a href="#">7221</a>

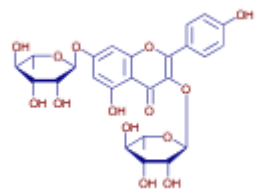
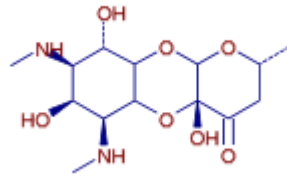
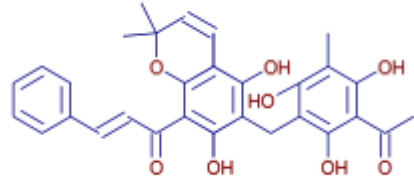
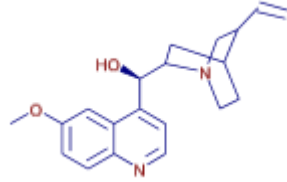
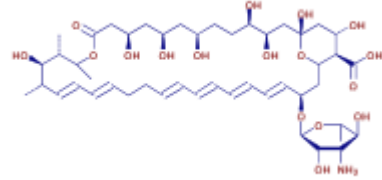
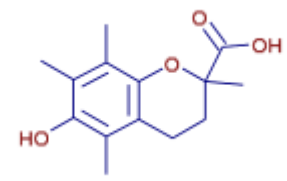
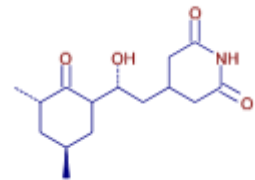
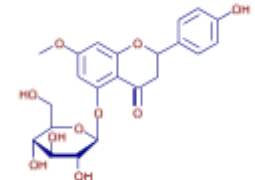


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Shikonin	C <sub>16</sub> H <sub>16</sub> O <sub>5</sub>	288.09977	57.9	<a href="#">6233</a>
	Testosterone acetate	C <sub>21</sub> H <sub>30</sub> O <sub>3</sub>	330.21949	57.6	<a href="#">2171</a>
	2-Hydroxybenzothiazole	C <sub>7</sub> H <sub>5</sub> N O S	151.00918	55.7	<a href="#">3040</a>
	Ethyl protocatechuate	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	182.05791	55.4	<a href="#">3463</a>
	β-Estradiol	C <sub>18</sub> H <sub>24</sub> O <sub>2</sub>	272.17763	50.2	<a href="#">3397</a>
	Scutellarin	C <sub>21</sub> H <sub>18</sub> O <sub>12</sub>	462.07983		<a href="#">946</a>
	18-β-Glycyrrhetic acid	C <sub>30</sub> H <sub>46</sub> O <sub>4</sub>	470.33961		<a href="#">1281</a>
	Butein	C <sub>15</sub> H <sub>12</sub> O <sub>5</sub>	272.06847		<a href="#">6222</a>

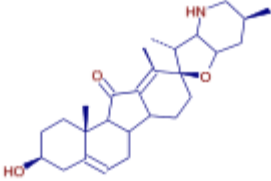
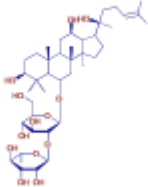
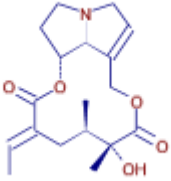
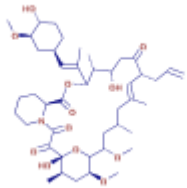
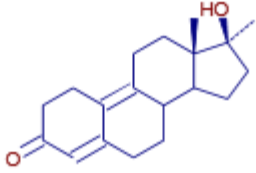
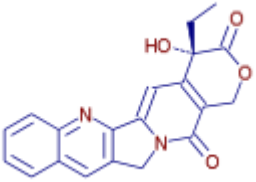
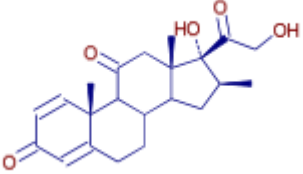
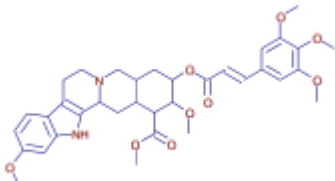


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Methyl caffeate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	194.05791		<a href="#">6243</a>
	(-)-Caryophyllene oxide	C <sub>15</sub> H <sub>24</sub> O	220.18272		<a href="#">6554</a>
	D- $\alpha$ -Tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	430.38108		<a href="#">328</a>
	Ginsenoside Rg3	C <sub>42</sub> H <sub>72</sub> O <sub>13</sub>	784.49729		<a href="#">6141</a>
	Maduramicin	C <sub>47</sub> H <sub>80</sub> O <sub>17</sub>	916.53955		<a href="#">2526</a>
	Robinin	C <sub>33</sub> H <sub>40</sub> O <sub>19</sub>	740.21638		<a href="#">3474</a>
	DL- $\alpha$ -Tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	430.38108		<a href="#">3075</a>
	Soyasaponin I	C <sub>48</sub> H <sub>78</sub> O <sub>18</sub>	942.51882		<a href="#">2981</a>



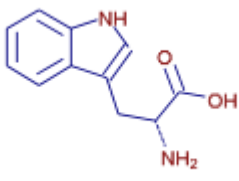


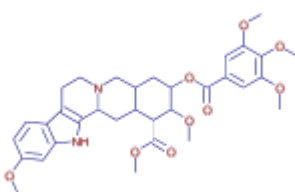
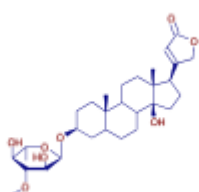
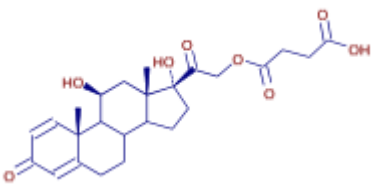
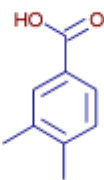
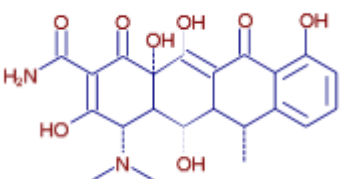
Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Kaempferitrin	C <sub>27</sub> H <sub>30</sub> O <sub>14</sub>	578.16356		<a href="#">6207</a>
	Spectinomycin	C <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub>	332.15835		<a href="#">6230</a>
	Rottlerin	C <sub>30</sub> H <sub>28</sub> O <sub>8</sub>	516.17842		<a href="#">3485</a>
	Quinine	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>	324.18378		<a href="#">2303</a>
	Nystatin	C <sub>47</sub> H <sub>75</sub> N O <sub>17</sub>	925.50350		<a href="#">3365</a>
	Trolox	C <sub>14</sub> H <sub>18</sub> O <sub>4</sub>	250.12051		<a href="#">2532</a>
	Cycloheximide	C <sub>15</sub> H <sub>23</sub> N O <sub>4</sub>	281.16271		<a href="#">2623</a>
	Sakuranin	C <sub>22</sub> H <sub>24</sub> O <sub>10</sub>	448.13695		<a href="#">3486</a>



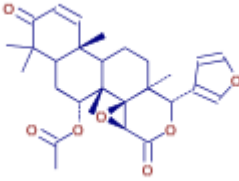
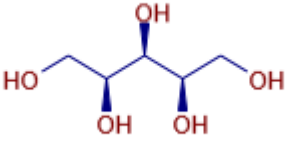
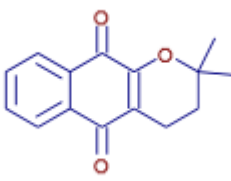
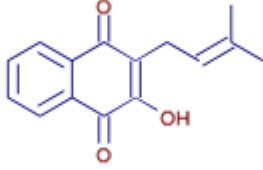
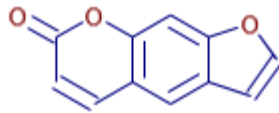
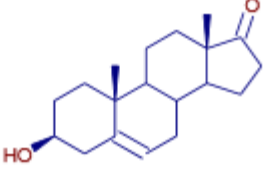
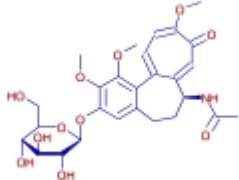
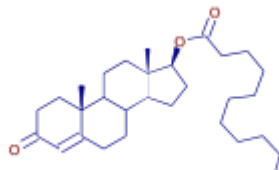
Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Jervine	C <sub>27</sub> H <sub>39</sub> N O <sub>3</sub>	425.29299		<a href="#">2218</a>
	Ginsenoside Rg2	C <sub>42</sub> H <sub>72</sub> O <sub>13</sub>	784.49729		<a href="#">6167</a>
	Senecionine	C <sub>18</sub> H <sub>25</sub> N O <sub>5</sub>	335.17327		<a href="#">2248</a>
	Tacrolimus	C <sub>44</sub> H <sub>69</sub> N O <sub>12</sub>	803.48198		<a href="#">3213</a>
	Methyldienolone	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>	286.19328		<a href="#">6501</a>
	Camptothecin	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>	348.11101		<a href="#">6216</a>
	Meprednisone	C <sub>22</sub> H <sub>28</sub> O <sub>5</sub>	372.19367		<a href="#">2294</a>
	Rescinnamine	C <sub>35</sub> H <sub>42</sub> N <sub>2</sub> O <sub>9</sub>	634.28903		<a href="#">2283</a>



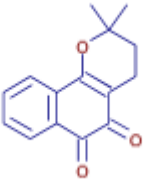
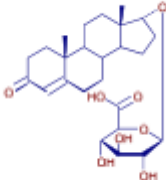
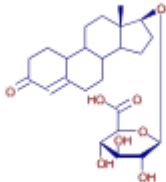
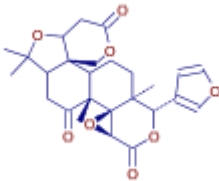
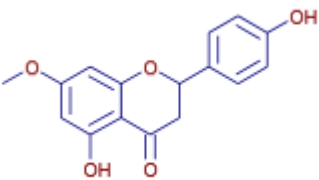
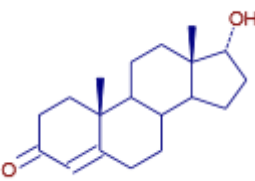
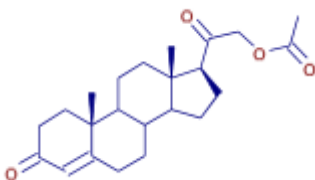
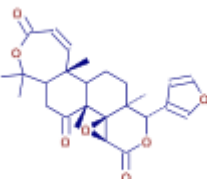


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	D-(-)-Tryptophan	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	204.08988		<a href="#">3173</a>
	D-(+)-Camphor	C <sub>10</sub> H <sub>16</sub> O	152.12012		<a href="#">2727</a>
	D,L-Camphor	C <sub>10</sub> H <sub>16</sub> O	152.12012		<a href="#">6584</a>
	Reserpine	C <sub>33</sub> H <sub>40</sub> N <sub>2</sub> O <sub>9</sub>	608.27338		<a href="#">941</a>
	Neriifolin	C <sub>30</sub> H <sub>46</sub> O <sub>8</sub>	534.31927		<a href="#">2438</a>
	Prednisolone 21-hemisuccinate	C <sub>25</sub> H <sub>32</sub> O <sub>8</sub>	460.20972		<a href="#">7172</a>
	3,4-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	150.06808		<a href="#">2597</a>
	Doxycycline	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>8</sub>	444.15327		<a href="#">2734</a>

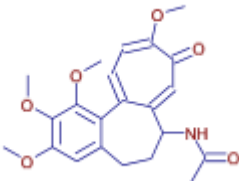
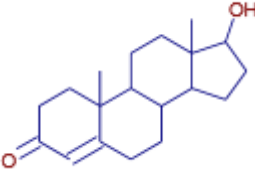
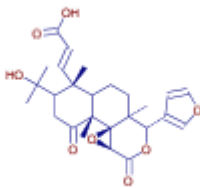
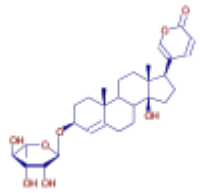
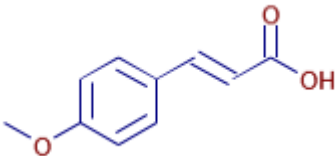
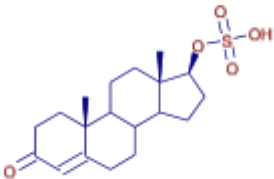
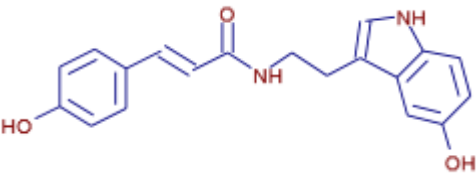
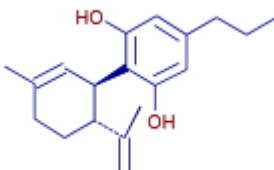


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Gedunin	C <sub>28</sub> H <sub>34</sub> O <sub>7</sub>	482.23045		<a href="#">3497</a>
	Xylitol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	152.06847		<a href="#">3192</a>
	$\alpha$ -Lapachone	C <sub>15</sub> H <sub>14</sub> O <sub>3</sub>	242.09429		<a href="#">3428</a>
	Lapachol	C <sub>15</sub> H <sub>14</sub> O <sub>3</sub>	242.09429		<a href="#">3422</a>
	Psoralen	C <sub>11</sub> H <sub>6</sub> O <sub>3</sub>	186.03169		<a href="#">3470</a>
	Dehydroepiandrosterone (DHEA)	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	288.20893		<a href="#">195</a>
	Colchicoside	C <sub>27</sub> H <sub>33</sub> N O <sub>11</sub>	547.20536		<a href="#">3481</a>
	Testosterone undecanoate	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>	456.36035		<a href="#">2172</a>



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	$\beta$ -Lapachone	C <sub>15</sub> H <sub>14</sub> O <sub>3</sub>	242.09429		<a href="#">6203</a>
	Epitestosterone glucuronide	C <sub>25</sub> H <sub>36</sub> O <sub>8</sub>	464.24102		<a href="#">7269</a>
	Nandrolone glucuronide	C <sub>24</sub> H <sub>34</sub> O <sub>8</sub>	450.22537		<a href="#">7341</a>
	Limonin	C <sub>26</sub> H <sub>30</sub> O <sub>8</sub>	470.19407		<a href="#">3493</a>
	Sakuranetin	C <sub>16</sub> H <sub>14</sub> O <sub>5</sub>	286.08412		<a href="#">3487</a>
	Epitestosterone	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	288.20893		<a href="#">1833</a>
	Deoxycorticosterone acetate	C <sub>23</sub> H <sub>32</sub> O <sub>4</sub>	372.23006		<a href="#">2016</a>
	Obacunone	C <sub>26</sub> H <sub>30</sub> O <sub>7</sub>	454.19915		<a href="#">3491</a>

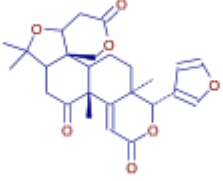
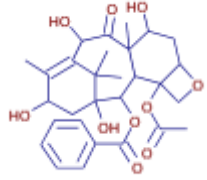
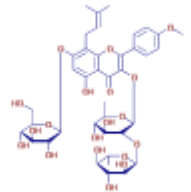
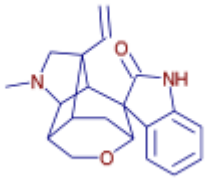
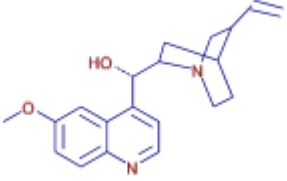
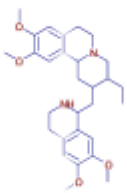
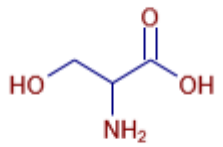
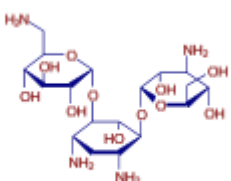


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Colchicine	C <sub>22</sub> H <sub>25</sub> N O <sub>6</sub>	399.16819		<a href="#">1996</a>
	Testosterone	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	288.20893		<a href="#">674</a>
	Obacunoic acid	C <sub>26</sub> H <sub>32</sub> O <sub>8</sub>	472.20972		<a href="#">3492</a>
	Proscillaridin A	C <sub>30</sub> H <sub>42</sub> O <sub>8</sub>	530.28797		<a href="#">2338</a>
	4-Methoxycinnamic acid	C <sub>10</sub> H <sub>10</sub> O <sub>3</sub>	178.06299		<a href="#">3427</a>
	Testosterone sulfate	C <sub>19</sub> H <sub>28</sub> O <sub>5</sub> S	368.16574		<a href="#">7220</a>
	N-(p-Coumaroyl) serotonin	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>	322.13174		<a href="#">6228</a>
	Cannabidivarin	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>	286.19328		<a href="#">7352</a>

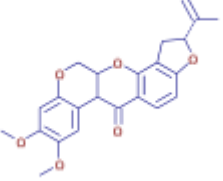
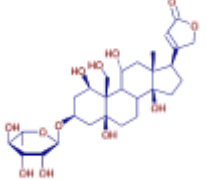
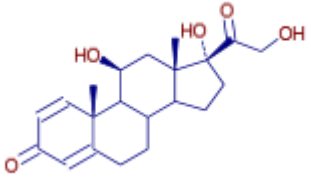
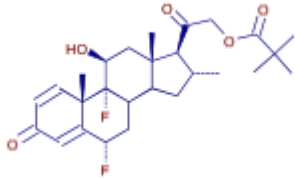
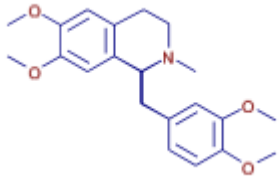
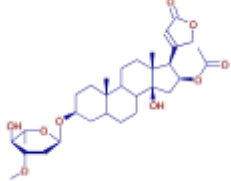
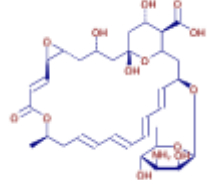
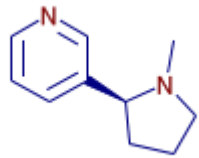


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Pectolarin	C <sub>29</sub> H <sub>34</sub> O <sub>15</sub>	622.18977		<a href="#">3466</a>
	(S)-10-Hydroxycamptothecin	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>	364.10592		<a href="#">6165</a>
	(-)-Camphor	C <sub>10</sub> H <sub>16</sub> O	152.12012		<a href="#">2759</a>
	Testosterone glucuronide	C <sub>25</sub> H <sub>36</sub> O <sub>8</sub>	464.24102		<a href="#">7218</a>
	Epimedin A	C <sub>39</sub> H <sub>50</sub> O <sub>20</sub>	838.28954		<a href="#">754</a>
	DL-Glutamine	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	146.06914		<a href="#">2967</a>
	Lovastatin	C <sub>24</sub> H <sub>36</sub> O <sub>5</sub>	404.25627		<a href="#">3314</a>
	Berberine	C <sub>20</sub> H <sub>17</sub> N O <sub>4</sub>	335.11576		<a href="#">891</a>

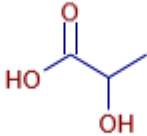
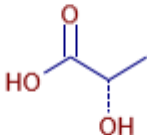
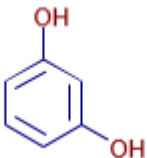
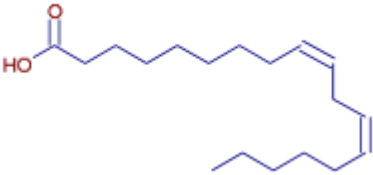
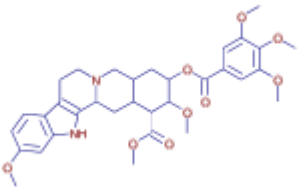
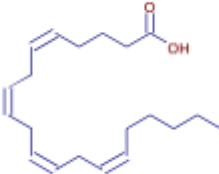
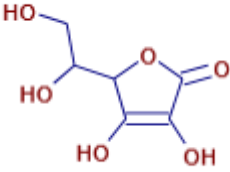
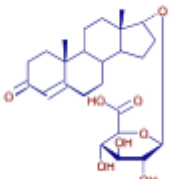


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Deoxylimonin	C <sub>26</sub> H <sub>30</sub> O <sub>7</sub>	454.19915		<a href="#">3494</a>
	10-Deacetylbaccatin III	C <sub>29</sub> H <sub>36</sub> O <sub>10</sub>	544.23085		<a href="#">2550</a>
	Epimedin C	C <sub>39</sub> H <sub>50</sub> O <sub>19</sub>	822.29463		<a href="#">756</a>
	Gelsemine	C <sub>20</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub>	322.16813		<a href="#">2159</a>
	Quinidine	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>	324.18378		<a href="#">2304</a>
	Emetine	C <sub>29</sub> H <sub>40</sub> N <sub>2</sub> O <sub>4</sub>	480.29881		<a href="#">2070</a>
	DL-Serine	C <sub>3</sub> H <sub>7</sub> N O <sub>3</sub>	105.04259		<a href="#">2964</a>
	Kanamycin	C <sub>18</sub> H <sub>36</sub> N <sub>4</sub> O <sub>11</sub>	484.23806		<a href="#">2220</a>



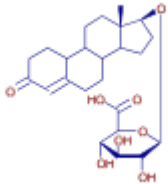
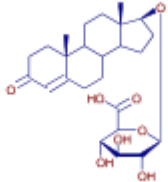
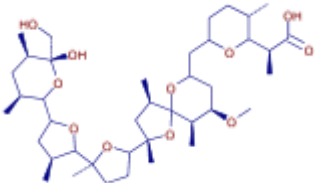
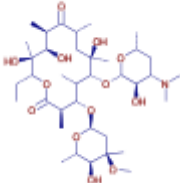
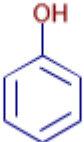
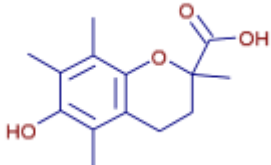
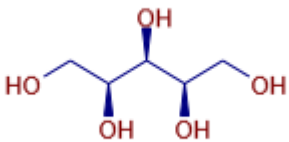
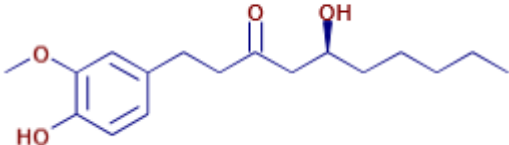
Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Rotenone	C <sub>23</sub> H <sub>22</sub> O <sub>6</sub>	394.14164		<a href="#">2268</a>
	Ouabain	C <sub>29</sub> H <sub>44</sub> O <sub>12</sub>	584.28328		<a href="#">2478</a>
	Prednisolone	C <sub>21</sub> H <sub>28</sub> O <sub>5</sub>	360.19367		<a href="#">7170</a>
	Diflucortolone pivalate	C <sub>27</sub> H <sub>36</sub> F <sub>2</sub> O <sub>5</sub>	478.25308		<a href="#">2032</a>
	Laudanosine	C <sub>21</sub> H <sub>27</sub> N O <sub>4</sub>	357.19401		<a href="#">4526</a>
	Oleandrin	C <sub>32</sub> H <sub>48</sub> O <sub>9</sub>	576.32983		<a href="#">2489</a>
	Natamycin	C <sub>33</sub> H <sub>47</sub> N O <sub>13</sub>	665.30474		<a href="#">6202</a>
	(S)-Nicotine	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	162.11570		<a href="#">3271</a>



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	DL-Lactic Acid	C3 H6 O3	90.03169	94.3	<a href="#">2603</a>
	L-(+)-Lactic acid	C3 H6 O3	90.03169	94.2	<a href="#">2582</a>
	Resorcinol	C6 H6 O2	110.03678	76.5	<a href="#">2793</a>
	Linoleic acid	C18 H32 O2	280.24023	75.7	<a href="#">2706</a>
	Reserpine	C33 H40 N2 O9	608.27338		<a href="#">941</a>
	Arachidonic acid	C20 H32 O2	304.24023		<a href="#">2742</a>
	Ascorbic acid	C6 H8 O6	176.03209		<a href="#">325</a>
	Epitestosterone glucuronide	C25 H36 O8	464.24102		<a href="#">7269</a>



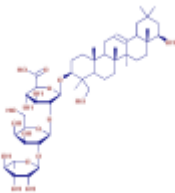


Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Nandrolone glucuronide	C <sub>24</sub> H <sub>34</sub> O <sub>8</sub>	450.22537		<a href="#">7341</a>
	Testosterone glucuronide	C <sub>25</sub> H <sub>36</sub> O <sub>8</sub>	464.24102		<a href="#">7218</a>
	Nigericin	C <sub>40</sub> H <sub>68</sub> O <sub>11</sub>	724.47616		<a href="#">3406</a>
	(-)-Erythromycin	C <sub>37</sub> H <sub>67</sub> N O <sub>13</sub>	733.46124		<a href="#">2533</a>
	Phenol	C <sub>6</sub> H <sub>6</sub> O	94.04186		<a href="#">3052</a>
	Trolox	C <sub>14</sub> H <sub>18</sub> O <sub>4</sub>	250.12051		<a href="#">2532</a>
	Xylitol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	152.06847		<a href="#">3192</a>
	6-Gingerol	C <sub>17</sub> H <sub>26</sub> O <sub>4</sub>	294.18311		<a href="#">7221</a>

# mzCloud Results

14-Feb-2020 10:30



Structure	Name	Formula	Molecular Weight	Best Match	mzCloud ID
	Soyasaponin I	C <sub>48</sub> H <sub>78</sub> O <sub>18</sub>	942.51882		<a href="#">2981</a>