

N	PubChem ID	Name of Plant	Family	Phytochemical name	MW, g/mol	Log P	No. of H-bond donors	No. of H-bond acceptors	Reference
1	CID:222284	<i>Xylocarpus granatum</i>	Meliaceae	beta-sitosterol	414.7	9.3	1	1	IMPPAT: Indian Medicinal Plants, Phytochemistry And Therapeutics: a database. URL: <a href="http://cb.imsc.res.in/imppat/basicsearch/phytochemical">cb.imsc.res.in/imppat/basicsearch/phytochemical</a> (accessed 19.11.2023)
2	CID:259846	<i>Avicennia marina</i> (Forssk.) Vierh	Acanthaceae	lupiol	426.7	9.9	1	1	
3	CID:64971	<i>Avicennia marina</i> (Forssk.) Vierh	Acanthaceae	betulic acid	456.7	8.2	2	3	
4	CID:72326	<i>Acanthus ilicifolius</i>	Acanthaceae	betulin	442.7	8.3	2	2	
5	CID:16129778	<i>Avicennia officinalis</i> L.	Acanthaceae	tannic acid	1701.2	6.2	25	46	
6	CID:91472	<i>Avicennia officinalis</i> L.	Acanthaceae	friedlein	426.7	9.8	0	1	
7	CID:3884	<i>Avicennia marina</i>	Acanthaceae	lapachol	242.27	2.8	1	3	
8	CID:64945	<i>Acanthus ilicifolius</i>	Acanthaceae	ursolic acid	456.7	7.3	2	3	
9	CID: 68972	<i>Avicennia alba</i>	Acanthaceae	1-triacontanol	438.8	14.9	1	1	Aljahdali M.O., Molla M.H.R., Ahammad F. Compounds identified from marine mangrove plant ( <i>Avicennia alba</i> ) as potential antiviral drug candidates against WDSV, an <i>in-silico</i> approach. <i>Marine Drugs</i> . 2021. V. 19. Article No. 253. doi: <a href="https://doi.org/10.3390/md19050253">10.3390/md19050253</a>
10	CID:442503	<i>Acanthus ilicifolius</i>	Acanthaceae	acanthicifoline	192.21	0	1	3	Singh D., Aeri V. Phytochemical and pharmacological potential of <i>Acanthus ilicifolius</i> . <i>Journal of Pharmacy and BioAllied Sciences</i> , 2013. V. 5. P. 17–20. doi: <a href="https://doi.org/10.4103/0975-7406.106557">10.4103/0975-7406.106557</a>
11	CID: 73362	<i>Acanthus ilicifolius</i>	Acanthaceae	triterpenoid saponin	1347.5	-1.6	15	29	
12	CID: 6043	<i>Acanthus ilicifolius</i>	Acanthaceae	2-benzoxazolinone	135.12	1.2	1	2	
13	CID: 5280794	<i>Acanthus ilicifolius</i>	Acanthaceae	stigmaterol	412.7	8.6	1	1	
14	CID: 261166	<i>Acanthus ilicifolius</i>	Acanthaceae	lignan	458.5	3.8	0	8	

15	CID: 7991	<i>Avicennia marina (Forssk.) Vierh</i>	Acanthaceae	pentanoic acid	102.13	1.4	1	2	Vinod V., Guruvayoorappan C. Phytochemical screening of methanolic extract of mangrove <i>Avicennia marina</i> (Forssk.) Vierh. <i>Der Pharmacia Sinica</i> , 2012. V. 3. No. 1. P. 64–70.
16	CID: 2969	<i>Avicennia marina (Forssk.) Vierh</i>	Acanthaceae	decanoic acid	172.26	4.1	1	2	
17	CID: 19463	<i>Avicennia marina (Forssk.) Vierh</i>	Acanthaceae	diethylhydroxylamine	89.14	0.5	1	2	
18	CID: 439195	<i>Avicennia marina (Forssk.) Vierh</i>	Acanthaceae	arabinopyranoside	150.13	-2.5	4	5	
19	CID: 139070837	<i>Avicennia marina (Forssk.) Vierh</i>	Acanthaceae	thiazolidinones	375.3	5.2	0	3	
20	CID: 66988	<i>Avicennia marina (Forssk.) Vierh</i>	Acanthaceae	octadecylisocyanate	295.5	9.8	0	2	
21	CID: 10015	<i>Aegiceras Corniculatum</i>	Primulaceae	7-tridecanone	198.34	4.9	0	1	Powar P., Gaikwad D. GC-MS Analysis of bioactive compounds of <i>Aegiceras corniculatum</i> bark. <i>Indian Journal of Plant Science</i> . 2016. V. 5. No. 3. P. 13–17.
22	CID: 753	<i>Aegiceras Corniculatum</i>	Primulaceae	glycerin	502.6	7.6	2	7	
23	CID: 2724705	<i>Aegiceras Corniculatum</i>	Primulaceae	levoglucosan	162.14	-2.1	3	5	
24	CID: 12535	<i>Avicennia officinalis L.</i>	Acanthaceae	triacontane	422.8	15.8	0	0	Mahmud S., Paul G.K., Afroze M., Islam S., Gupt S.B.R., Razu M.H., Biswas S., Zaman S., Uddin M. S., Khan M. et al. Efficacy of phytochemicals derived from <i>Avicennia officinalis</i> for the management of COVID-19: A combined <i>in silico</i> and biochemical study. <i>Molecules</i> . 2021. V. 26. No. 8. Article No. 2210. doi: <a href="https://doi.org/10.3390/molecules26082210">10.3390/molecules26082210</a>
25	CID: 12407	<i>Avicennia officinalis L.</i>	Acanthaceae	hexacosane	366.7	13.7	0	0	
26	CID: 5284421	<i>Avicennia officinalis L.</i>	Acanthaceae	methyl linoleate	294.5	6.9	0	2	

27	CID: 11513780	<i>Bruguiera gymnorrhiza</i> (L.) Lam.	Rhizophoraceae	bruguiesulfurool	154.21	-0.8	1	4	Gajula H., Kumar V., Vijendra P.D., Rajashekar J., Sannabommaji T., Basappa G. Secondary metabolites from mangrove plants and their biological activities. In: <i>Biotechnological utilization of mangrove resources</i> . Academic Press, 2020. P. 117–134. doi: <a href="https://doi.org/10.1016/B978-0-12-819532-1.00005-6">10.1016/B978-0-12-819532-1.00005-6</a>
28	CID:270601	<i>Carallia brachiata</i> (Lour.) Merr.	Rhizophoraceae	hygroline	143.23	0.9	1	2	Junejo J.A., Zaman K., Rudrapal M., Mondal P., Singh K.D., Verma V.K. Preliminary phytochemical and physicochemical evaluation of <i>Carallia brachiata</i> (Lour.) Merr. leaves. <i>Journal of Applied Pharmaceutical Sciences</i> . 2014. V. 4. No. 12. P. 123–127.
29	CID: 122844	<i>Ceriops decandra</i> (Griff.) Ding Hou	Rhizophoraceae	betulonic acid	454.7	7.9	1	3	Perez J., Shen C.C., Ragasa C.Y. Triterpenes from <i>Ceriops decandra</i> (Griff.) W. Theob. <i>Asian Journal of Pharmaceutical and Clinical Research</i> . 2017. V. 10. No. 11. P. 244–246. doi: <a href="https://doi.org/10.22159/ajpcr.2017.v10i11.19461">10.22159/ajpcr.2017.v10i11.19461</a>
30	CID: 259846	<i>Ceriops decandra</i> (Griff.) Ding Hou	Rhizophoraceae	lupeol	426.7	9.9	1	1	
31	CID: 10153267	<i>Ceriops decandra</i> (Griff.) Ding Hou	Rhizophoraceae	betulin	442.7	8.3	2	2	
32	CID: 9211	<i>Calophyllum inophyllum</i>	Calophyllaceae	benzopyran	132.16	2.3	0	1	Bandaranayake W.M. Bioactivities, bioactive compounds and chemical constituents of mangrove plants. <i>Wetlands Ecology and Management</i> . 2002. V. 10. No. 6. P. 421–452. doi: <a href="https://doi.org/10.1023/A:1021397624349">10.1023/A:1021397624349</a>
33	CID: 323	<i>Calophyllum inophyllum</i>	Calophyllaceae	coumarin	146.14	1.4	0	2	
34	CID: 7020	<i>Calophyllum inophyllum</i>	Calophyllaceae	xanthone	196.2	3.4	0	2	
35	CID: 9548721	<i>Excoecaria agallocha</i>	Euphorbiaceae	beyerane	274.5	7.9	0	0	Gajula H., Kumar V., Vijendra P.D., Rajashekar J., Sannabommaji T., Basappa G. Secondary metabolites from mangrove plants and their biological activities. In: <i>Biotechnological utilization of mangrove resources</i> . Academic Press, 2020. P. 117–134. doi: <a href="https://doi.org/10.1016/B978-0-12-819532-1.00005-6">10.1016/B978-0-12-819532-1.00005-6</a>
36	CID: 9548711	<i>Excoecaria agallocha</i>	Euphorbiaceae	Labdane	278.5	8.6	0	0	

37	CID:72326	<i>Lumnitzera racemosa</i>	Combretaceae	Betulin	442.7	8.3	2	2	IMPPAT: Indian Medicinal Plants, Phytochemistry And Therapeutics: a database. URL: <a href="http://cb.imsc.res.in/imppat/basicsearch/phytochemical">cb.imsc.res.in/imppat/basicsearch/phytochemical</a> (accessed 19.11.2023)
38	CID:6466	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	Gibberellins	346.4	0.2	3	6	
39	CID:12303662	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	Phytosterols	414.7	9.3	1	1	
40	CID:73170	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	alpha.-Amyrin	426.7	9	1	1	
41	CID:225689	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	beta.-Amyrin	426.7	9.2	1	1	
42	CID:5997	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	cholesterol	386.7	8.7	1	1	
43	CID:457801	<i>Pongamia pinnata</i>	Fabaceae	clionasterol	414.7	9.3	1	1	
44	CID:5281326	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	Fucosterol	412.7	8.9	1	1	
45	CID:10494	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	Oleanolic acid	456.7	7.5	2	3	
46	CID: 6688	<i>Rhizophora mucronata Lam.</i>	Rhizophoraceae	quinizarin	240.21	3.7	2	4	Sachithanandam V., Lalitha P., Parthiban A., Muthukumaran J., Jain M., Misra R., Mageswaran T., Sridhar R., Purvaja R., Ramesh R. A comprehensive <i>in silico</i> and <i>in vitro</i> studies on quinizarin: A promising phytochemical derived from <i>Rhizophora mucronata Lam.</i> <i>Journal of Biomolecular Structure and Dynamics</i> . 2022. V.40. No. 16. P. 7218–7229. doi: <a href="https://doi.org/10.1080/07391102.2021.1894983">10.1080/07391102.2021.1894983</a>
47	CID:7115	<i>Sonneratia caseolaris</i>	Lythraceae	p-Terphenyl	230.3	5.6	0	0	Zhou G., Zhang X., Shah M., Che Q., Zhang G., Gu Q., Zhu T., Li D. Polyhydroxy p-terphenyls from a mangrove endophytic fungus <i>Aspergillus candidus</i> LDJ-5. <i>Marine Drugs</i> . 2021. V. 19. No. 2. Article No. 82. doi: <a href="https://doi.org/10.3390/md19020082">10.3390/md19020082</a>

48	CID: 536947	<i>Sesuvium portulacastrum</i>	Aizoaceae	22, 23-Dihydrostigmatsterol	414.7	9.7	1	1	Al-Azzawi A., Alguboori A., Hachim M. Y., Najat M., Al Shaimaa A., Sad M. Preliminary phytochemical and antibacterial screening of <i>Sesuvium portulacastrum</i> in the United Arab Emirates. <i>Pharmacognosy Research</i> . 2012. V. 4. No. 4. P. 219–224. doi: <a href="https://doi.org/10.4103/0974-8490.102269">10.4103/0974-8490.102269</a>
49	CID: 243	<i>Sesuvium portulacastrum</i>	Aizoaceae	Benzoic acid	122.12	1.9	1	2	
50	CID: 129671851	<i>Sesuvium portulacastrum</i>	Aizoaceae	3,4,5-trihydroxy-Gallic acid	222.15	-4	7	8	
51	CID: 72276	<i>Sesuvium portulacastrum</i>	Aizoaceae	(2R,3R)-(-)-Epicatechin	290.27	0.4	5	6	
52	CID: 1548943	<i>Sesuvium portulacastrum</i>	Aizoaceae	Capsaicin	305.4	3.6	2	3	
53	CID: 9548717	<i>Sonneratia paracaseolaris</i>	Sonneratiaceae	oleanane	412.7	11.6	0	0	Gong K.K., Li P.L., Qiao D., Zhang X.W., Chu M.J., Qin G.F., Tang X.L., Li G.Q. Cytotoxic and antiviral triterpenoids from the mangrove plant <i>Sonneratia paracaseolaris</i> . <i>Molecules</i> . 2017. V. 22. No. 8. Article No. 1319. <a href="https://doi.org/10.3390/molecules22081319">10.3390/molecules22081319</a>
54	CID: 160497	<i>Sonneratia paracaseolaris</i>	Sonneratiaceae	cycloartane	412.7	11.8	0	0	
55	CID: 9064	<i>Sonneratia paracaseolaris</i>	Sonneratiaceae	Catechin	290.27	0.4	5	6	
56	CID:12004512	<i>Xylocarpus granatum</i>	Meliaceae	gedunin	482.6	4.2	0	7	Dey D., Quispe C., Hossain R., Jain D., Ahmed Khan R., Janmeda P., Islam M.T., Ansar Rasul Suleria H. et al. Ethnomedicinal use, phytochemistry, and pharmacology of <i>Xylocarpus granatum</i> J. Koenig. <i>Evidence-Based Complementary and Alternative Medicine</i> . 2021. V. 2021. Article No. 8922196. doi: <a href="https://doi.org/10.1155/2021/8922196">10.1155/2021/8922196</a>
58	CID:68972	<i>Xylocarpus granatum</i>	Meliaceae	1-Triacontanol	438.8	14.9	1	1	IMPPAT: Indian Medicinal Plants, Phytochemistry And Therapeutics: a database. URL: <a href="https://cb.imsc.res.in/imppat/basicsearch/phytochemical">cb.imsc.res.in/imppat/basicsearch/phytochemical</a> (accessed 19.11.2023)
59	CID:244297	<i>Xylocarpus granatum</i>	Meliaceae	Friedlein	426.7	9.8	0	1	