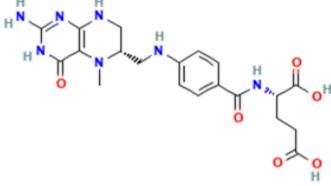
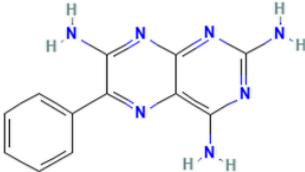
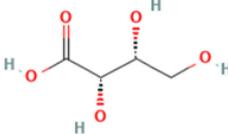
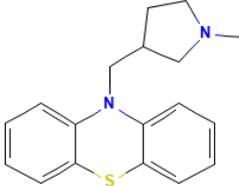
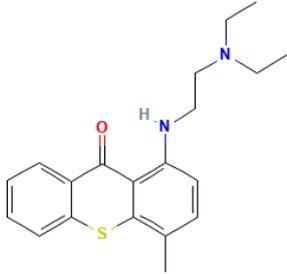
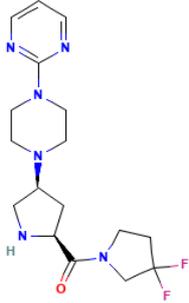
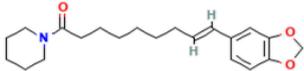
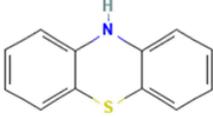
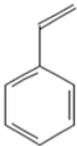


Supplementary Information

Table 1: Compounds identified in aqueous extract of *Aegle marmelos* by LC-MS/MS

Name	Formula	Molecular Weight	RT [min]	Area (Max.)	Chemical Structure
Levomefolic acid	C ₂₀ H ₂₅ N ₇ O ₆	459.1852	8.828	8.61E+08	
Triamterene	C ₁₂ H ₁₁ N ₇	253.108	0.755	1.59E+08	
Balapiravir	C ₂₁ H ₃₀ N ₆ O ₈	494.211	9.364	1.57E+08	
Threonic acid	C ₄ H ₈ O ₅	136.0375	0.599	53796933	
Neosaxitoxin	C ₁₀ H ₁₇ N ₇ O ₅	315.1292	0.554	50948037	
Methdilazine	C ₁₈ H ₂₀ N ₂ S	296.1349	0.62	33205845	

FC6D57000 M	$C_{20}H_{24}N_2O$ S	340.1609	0.628	28772219	
Gosogliptin	$C_{17}H_{24}F_2N_6$ O	366.1988	0.859	24364192	
Piperoleine B	$C_{21}H_{29}NO_3$	343.215	12.558	19227929	
Remoxipride	$C_{16}H_{23}BrN_2$ O ₃	370.0907	13.878	17616526	
Phenothiazine	$C_{12}H_9NS$	199.0462	0.627	17581580	
Styrene	C_8H_8	104.0622	11.994	16837094	

2-Phenylamino adenosine	$C_{16}H_{18}N_6O_4$	358.1384	0.84	12953055	
Lorcainide	$C_{22}H_{27}ClN_2O$	370.182	0.623	12761666	
Altretamine	$C_9H_{18}N_6$	210.1602	9.346	12116171	
Ebastine	$C_{32}H_{39}NO_2$	469.3002	0.62	12062907	
(E)-entacapone	$C_{14}H_{15}N_3O_5$	305.1002	9.004	11720546	

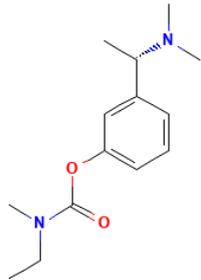
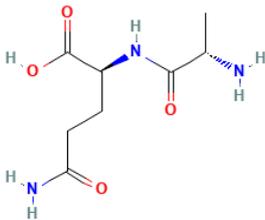
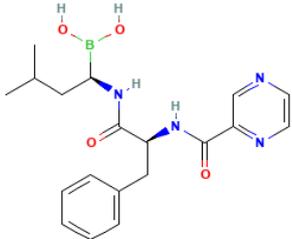
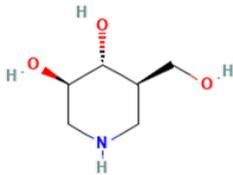
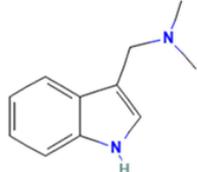
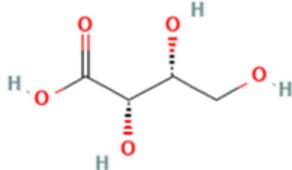
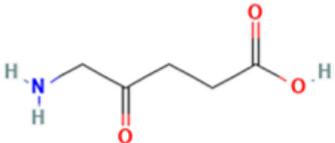
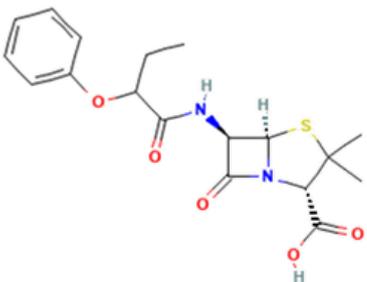
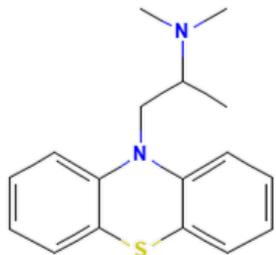
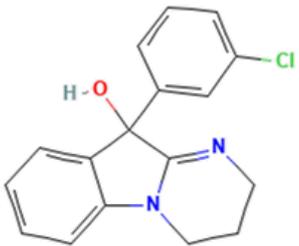
Rivastigmine	$C_{14}H_{22}N_2O_2$	250.1675	13.263	10264917	
L-Alanyl-L-glutamine	$C_8H_{15}N_3O_4$	217.107	0.625	8753412	
Bortezomib	$C_{19}H_{25}BN_4O_4$	384.1973	0.628	7233401	
Afegostat	$C_6H_{13}NO_3$	147.0895	0.626	5512525	
Gramine	$C_{11}H_{14}N_2$	174.116	12.547	4728563	

Table 2: Compounds identified in aqueous extract of *Bacopa monnieri* by LC-MS/MS

Name	Formula	Molecular Weight	RT [min]	Area (Max.)	Chemical Structure
Hexanethiol	C ₆ H ₁₄ S	118.0816	0.521	1.82E+08	
Threonic acid	C ₄ H ₈ O ₅	136.0375	1.022	1.48E+08	
Aminolevulinic acid	C ₅ H ₉ NO ₃	131.0576	1.07	68034198	
Propicillin	C ₁₈ H ₂₂ N ₂ O ₅ S	378.1256	8.745	26882861	
(±)-Promethazine	C ₁₇ H ₂₀ N ₂ S	284.1346	0.851	16061804	
Ciclazindol	C ₁₇ H ₁₅ ClN ₂ O	298.0885	0.829	14660298	

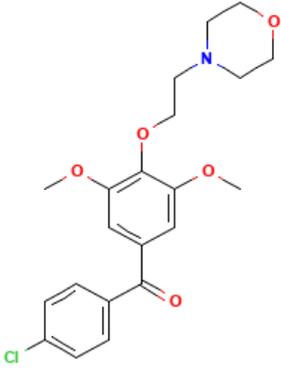
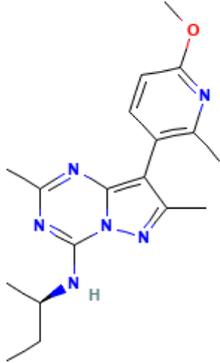
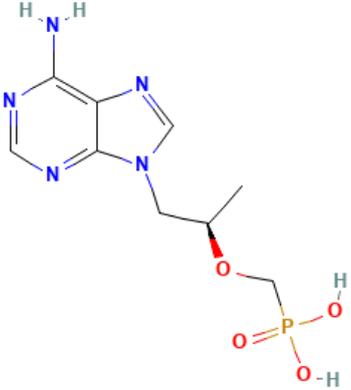
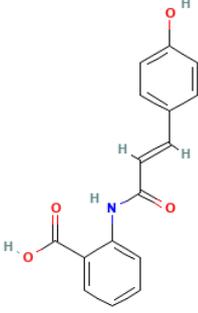
Morclofone	$C_{21}H_{24}ClNO_5$	405.1346	0.836	7428118	
Pexacerfont	$C_{18}H_{24}N_6O$	340.2011	14.605	5010153	
Tenofovir	$C_9H_{14}N_5O_4P$	287.077	6.488	3130329	
24HT67X53Y	$C_{16}H_{13}NO_4$	283.0856	7.085	2733689	

Table 3: Compounds identified in aqueous extract of *Terminalia arjuna* by LC-MS/MS.

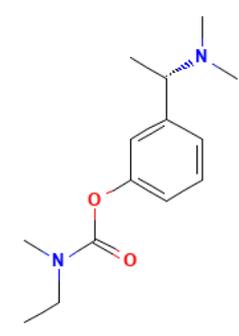
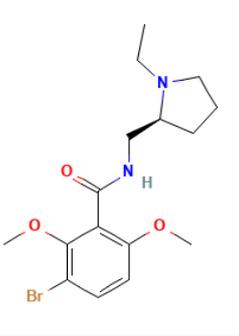
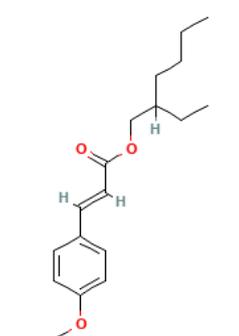
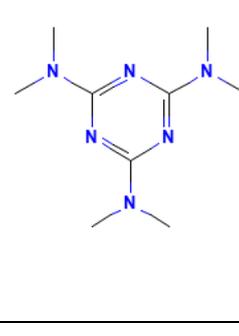
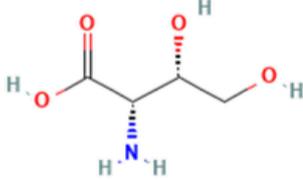
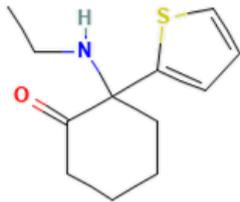
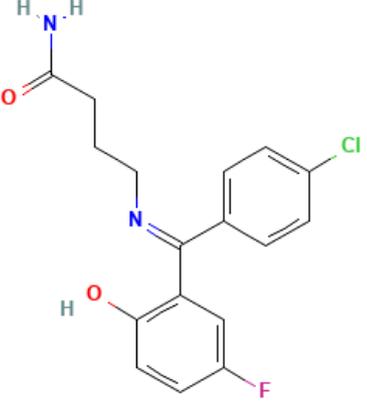
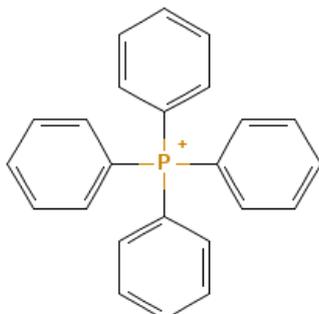
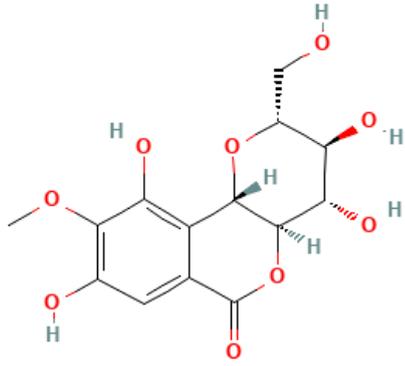
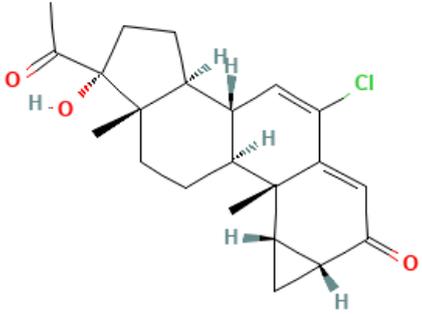
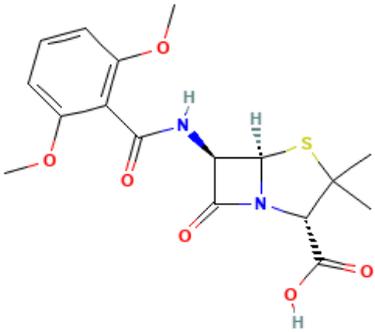
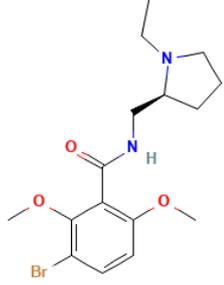
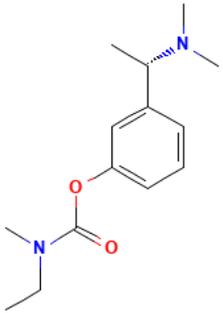
Name	Formula	Molecular Weight	RT [min]	Area (Max.)	Structure
Rivastigmine	C ₁₄ H ₂₂ N ₂ O ₂	250.1676	13.266	8781201	
Remoxipride	C ₁₆ H ₂₃ BrN ₂ O ₃	370.0907	13.878	17616526	
Octinoxate	C ₁₈ H ₂₆ O ₃	290.1892	0.624	7804948	
Altretamine	C ₉ H ₁₈ N ₆	210.1603	0.693	4404259	

Table 4: Compounds identified in aqueous extract of *Terminallia bellerica* by LC-MS/MS.

Name	Formula	Molecular Weight	RT [min]	Area (Max.)	Structure
4-Hydroxy-L-threonine	C ₄ H ₉ NO ₄	135.0533	0.444	1.04E+08	 The structure shows a central carbon atom bonded to a carboxyl group (COOH) on the left, an amino group (NH2) on the right, a hydroxyl group (OH) on a dashed bond pointing up, and a 1-hydroxyethyl group (CH(OH)CH2OH) on a solid bond pointing down.
Tiletamine	C ₁₂ H ₁₇ NOS	223.1036	0.427	33927621	 The structure features a six-membered ring with a carbonyl group (C=O) and a nitrogen atom bonded to an ethyl group (CH2CH3). The ring is also substituted with a thienyl group (a five-membered ring containing sulfur).
(E)-progabide	C ₁₇ H ₁₆ ClFN ₂ O ₂	334.0875	0.565	24214714	 The structure consists of a central carbon atom double-bonded to a nitrogen atom (NH2) and single-bonded to a propyl chain (CH2CH2CH2COOH) and a 4-chlorophenyl ring. The central carbon is also single-bonded to a 3-fluorophenyl ring.
Tetraphenylphosphonium	C ₂₄ H ₂₀ P	339.1288	0.579	18845606	 The structure shows a central phosphorus atom (P+) bonded to four phenyl rings (C6H5).

Bergenin	$C_{14}H_{16}O_9$	328.078	0.584	15415681	
Cyproterone	$C_{22}H_{27}ClO_3$	374.1655	0.493	10964543	
Meticillin	$C_{17}H_{20}N_2O_6S$	380.1031	0.481	8407889	
Remoxipride	$C_{16}H_{23}BrN_2O_3$	370.0907	13.878	17616526	

Rivastigmine	$C_{14}H_{22}N_2O_2$	250.1676	13.266	8781201	
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