





	classyfire.superclass	n
1	Benzenoids (CHEMONTID:0002448)	3
2	Lipids and lipid-like molecules (CHEMONTID:0000012)	33
3	Nucleosides, nucleotides, and analogues (CHEMONTID:0000289)	41
4	Organic acids and derivatives (CHEMONTID:0000264)	65
5	Organic nitrogen compounds (CHEMONTID:0004707)	3
6	Organic oxygen compounds (CHEMONTID:0004603)	58
7	Organoheterocyclic compounds (CHEMONTID:0000002)	10
8	Phenylpropanoids and polyketides (CHEMONTID:0000261)	6
9	NA	1

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1			
2 5'-deoxyribonucleosides (CHEMONTID:0004502) 4 3		classyfire.class	n
Azoles (CHEMONTID:0000436) 1 Benzene and substituted derivatives (CHEMONTID:0002279) 1 Biotin and derivatives (CHEMONTID:0000244) 1 Carboxylic acids and derivatives (CHEMONTID:0000265) 62 Cinnamaldehydes (CHEMONTID:0000029) 1 Cinnamic acids and derivatives (CHEMONTID:0000476) 5 Fatty Acyls (CHEMONTID:0000476) 5 Glycerolipids (CHEMONTID:0000476) 12 Glycerolipids (CHEMONTID:0000175) 2 Hydroxy acids and derivatives (CHEMONTID:0000256) 1 Hydroxy acids and derivatives (CHEMONTID:0000472) 1 Midazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) 1 Indoles and derivatives (CHEMONTID:0000211) 3 Lactones (CHEMONTID:0000050) 4 Organonitrogen compounds (CHEMONTID:0000278) 3 Organoxygen compounds (CHEMONTID:0000323) 58 Peptidomimetics (CHEMONTID:000134) 2 Prenol lipids (CHEMONTID:0000259) 2	1	(5'->5')-dinucleotides (CHEMONTID:0003468)	2
Benzene and substituted derivatives (CHEMONTID:0002279) Biotin and derivatives (CHEMONTID:0000244) Carboxylic acids and derivatives (CHEMONTID:0000265) Cinnamaldehydes (CHEMONTID:0000029) Cinnamic acids and derivatives (CHEMONTID:0000476) Fatty Acyls (CHEMONTID:00003909) Clycerolipids (CHEMONTID:0000175) Clycerophospholipids (CHEMONTID:0000256) Hydroxy acids and derivatives (CHEMONTID:0000472) Midazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) Lactones (CHEMONTID:0000211) Chemontolic CHEMONTID:0000211) Chemontolic CHEMONTID:0000213) Chemontolic CHEMONTID:0000323) Chemontolic CHEMONTID:0000323) Chemontolic CHEMONTID:0000134) Peptidomimetics (CHEMONTID:0000134) Prenol lipids (CHEMONTID:0000259)	2	5'-deoxyribonucleosides (CHEMONTID:0004502)	4
Biotin and derivatives (CHEMONTID:0000244) 6 Carboxylic acids and derivatives (CHEMONTID:0000265) 62 7 Cinnamaldehydes (CHEMONTID:0000029) 8 Cinnamic acids and derivatives (CHEMONTID:0000476) 9 Fatty Acyls (CHEMONTID:0003909) 10 Glycerolipids (CHEMONTID:0000175) 2 11 Glycerophospholipids (CHEMONTID:0000256) 1 Hydroxy acids and derivatives (CHEMONTID:0000472) 1 Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) 1 Indoles and derivatives (CHEMONTID:0000211) 3 Lactones (CHEMONTID:00000211) 3 Lactones (CHEMONTID:00000213) 5 Crganooxygen compounds (CHEMONTID:0000278) 7 Organooxygen compounds (CHEMONTID:0000323) 7 Peptidomimetics (CHEMONTID:0001813) 9 Phenols (CHEMONTID:0000134) 2 Prenol lipids (CHEMONTID:0000259) 2	3	Azoles (CHEMONTID:0000436)	1
6 Carboxylic acids and derivatives (CHEMONTID:0000265) 62 7 Cinnamaldehydes (CHEMONTID:0000029) 1 8 Cinnamic acids and derivatives (CHEMONTID:0000476) 5 9 Fatty Acyls (CHEMONTID:0003909) 12 10 Glycerolipids (CHEMONTID:0000175) 2 11 Glycerophospholipids (CHEMONTID:0000256) 1 12 Hydroxy acids and derivatives (CHEMONTID:0000472) 1 13 Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) 1 14 Indoles and derivatives (CHEMONTID:0000211) 3 15 Lactones (CHEMONTID:0000050) 4 16 Organonitrogen compounds (CHEMONTID:0000278) 3 17 Organooxygen compounds (CHEMONTID:0000323) 58 18 Peptidomimetics (CHEMONTID:0001813) 2 19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	4	Benzene and substituted derivatives (CHEMONTID:0002279)	1
7 Cinnamaldehydes (CHEMONTID:0000029) 1 8 Cinnamic acids and derivatives (CHEMONTID:0000476) 5 9 Fatty Acyls (CHEMONTID:00003909) 12 10 Glycerolipids (CHEMONTID:0000175) 2 11 Glycerophospholipids (CHEMONTID:0000256) 1 12 Hydroxy acids and derivatives (CHEMONTID:0000472) 1 13 Imidazole ribonucleosides and ribonucleotides (CHEMONTID:00001997) 1 14 Indoles and derivatives (CHEMONTID:0000211) 3 15 Lactones (CHEMONTID:000050) 4 16 Organonitrogen compounds (CHEMONTID:0000278) 3 17 Organooxygen compounds (CHEMONTID:0000323) 58 18 Peptidomimetics (CHEMONTID:00001813) 2 19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	5	Biotin and derivatives (CHEMONTID:0000244)	1
Cinnamic acids and derivatives (CHEMONTID:0000476) Fatty Acyls (CHEMONTID:0003909) Glycerolipids (CHEMONTID:0000175) Hydroxy acids and derivatives (CHEMONTID:0000256) Hydroxy acids and derivatives (CHEMONTID:0000472) Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) Indoles and derivatives (CHEMONTID:0000211) Lactones (CHEMONTID:0000050) Corganonitrogen compounds (CHEMONTID:0000278) Organoxygen compounds (CHEMONTID:0000323) Peptidomimetics (CHEMONTID:0001813) Phenols (CHEMONTID:0000134) Prenol lipids (CHEMONTID:0000259) 2	6	Carboxylic acids and derivatives (CHEMONTID:0000265)	62
Fatty Acyls (CHEMONTID:0003909) Glycerolipids (CHEMONTID:0000175) Glycerophospholipids (CHEMONTID:0000256) Hydroxy acids and derivatives (CHEMONTID:0000472) Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) Indoles and derivatives (CHEMONTID:0000211) Lactones (CHEMONTID:0000050) Corganonitrogen compounds (CHEMONTID:0000278) Organooxygen compounds (CHEMONTID:0000323) Peptidomimetics (CHEMONTID:0001813) Phenols (CHEMONTID:0000134) Prenol lipids (CHEMONTID:0000259) 2	7	Cinnamaldehydes (CHEMONTID:0000029)	1
Glycerolipids (CHEMONTID:0000175) 2 11 Glycerophospholipids (CHEMONTID:0000256) 1 12 Hydroxy acids and derivatives (CHEMONTID:0000472) 1 13 Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) 1 14 Indoles and derivatives (CHEMONTID:0000211) 3 15 Lactones (CHEMONTID:0000050) 4 16 Organonitrogen compounds (CHEMONTID:0000278) 3 17 Organooxygen compounds (CHEMONTID:0000323) 58 18 Peptidomimetics (CHEMONTID:0001813) 2 19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	8	Cinnamic acids and derivatives (CHEMONTID:0000476)	5
11 Glycerophospholipids (CHEMONTID:0000256) 1 12 Hydroxy acids and derivatives (CHEMONTID:0000472) 1 13 Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) 1 14 Indoles and derivatives (CHEMONTID:0000211) 3 15 Lactones (CHEMONTID:0000050) 4 16 Organonitrogen compounds (CHEMONTID:0000278) 3 17 Organooxygen compounds (CHEMONTID:0000323) 58 18 Peptidomimetics (CHEMONTID:0001813) 2 19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	9	Fatty Acyls (CHEMONTID:0003909)	12
Hydroxy acids and derivatives (CHEMONTID:0000472) 1 Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) 1 Indoles and derivatives (CHEMONTID:0000211) 3 Lactones (CHEMONTID:0000050) 4 Organonitrogen compounds (CHEMONTID:0000278) 3 Organooxygen compounds (CHEMONTID:0000323) 58 Peptidomimetics (CHEMONTID:0001813) 2 Phenols (CHEMONTID:0000134) 2 Prenol lipids (CHEMONTID:0000259) 2	10	Glycerolipids (CHEMONTID:0000175)	2
Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) 1 Indoles and derivatives (CHEMONTID:0000211) 3 Lactones (CHEMONTID:0000050) 4 Organonitrogen compounds (CHEMONTID:0000278) 3 Organoxygen compounds (CHEMONTID:0000323) 58 Peptidomimetics (CHEMONTID:0001813) 2 Phenols (CHEMONTID:0000134) 2 Prenol lipids (CHEMONTID:0000259) 2	11	Glycerophospholipids (CHEMONTID:0000256)	1
14 Indoles and derivatives (CHEMONTID:0000211) 3 15 Lactones (CHEMONTID:0000050) 4 16 Organonitrogen compounds (CHEMONTID:0000278) 3 17 Organooxygen compounds (CHEMONTID:0000323) 58 18 Peptidomimetics (CHEMONTID:0001813) 2 19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	12	Hydroxy acids and derivatives (CHEMONTID:0000472)	1
15 Lactones (CHEMONTID:0000050) 4 16 Organonitrogen compounds (CHEMONTID:0000278) 3 17 Organooxygen compounds (CHEMONTID:0000323) 58 18 Peptidomimetics (CHEMONTID:0001813) 2 19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	13	Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997)	1
Organonitrogen compounds (CHEMONTID:0000278) 3 Organooxygen compounds (CHEMONTID:0000323) 58 Peptidomimetics (CHEMONTID:0001813) 2 Phenols (CHEMONTID:0000134) 2 Prenol lipids (CHEMONTID:0000259) 2	14	Indoles and derivatives (CHEMONTID:0000211)	3
Organooxygen compounds (CHEMONTID:0000323) 58 Peptidomimetics (CHEMONTID:0001813) 2 Phenols (CHEMONTID:0000134) 2 Prenol lipids (CHEMONTID:0000259) 2	15	Lactones (CHEMONTID:0000050)	4
18 Peptidomimetics (CHEMONTID:0001813) 2 19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	16	Organonitrogen compounds (CHEMONTID:0000278)	3
19 Phenols (CHEMONTID:0000134) 2 20 Prenol lipids (CHEMONTID:0000259) 2	17	Organooxygen compounds (CHEMONTID:0000323)	58
20 Prenol lipids (CHEMONTID:0000259) 2	18	Peptidomimetics (CHEMONTID:0001813)	2
,	19	Phenols (CHEMONTID:0000134)	2
Purine nucleosides (CHEMONTID:0000479) 7	20	Prenol lipids (CHEMONTID:0000259)	2
	21	Purine nucleosides (CHEMONTID:0000479)	7
Purine nucleotides (CHEMONTID:0001506) 12	22	Purine nucleotides (CHEMONTID:0001506)	12