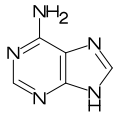
Molecular Coding Format examples

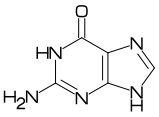
Author : Akira Yamaji Date : January 9, 2023
Located at : http://www.ctan.org/pkg/mcf2graph

*typeset with LuaLaTeX *use molecular library file 'mcf_library.mcf'
* FM(fm):molecular formula (calculated) * MW(mw):molecular weight (calculated)

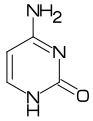
Adenine
mw:135.1267 / fm:C5H5N5
MW:135.13 / [1]



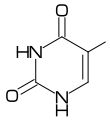
Guanine
mw:151.1261 / fm:C5H5N5O
MW:151.13 / [2]



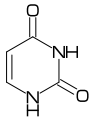
Cytosine
mw:111.1019 / fm:C4H5N3O
MW:111.10 / [3]



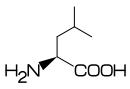
Thymine
mw:126.1133 / fm:C5H6N2O2
MW:126.11 / [4]



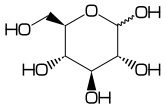
Uracil
mw:112.0867 / fm:C4H4N2O2
MW:112.09 / [5]



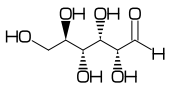
L-Leucine
mw:131.1729 / fm:C6H13NO2
MW:131.16 / [6]



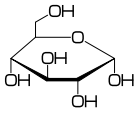
Glucose 1
mw:180.1558 / fm:C6H12O6
MW:180.16 / [7]



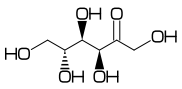
Glucose 2
mw:180.1558 / fm:C6H12O6
MW:180.16 / [8]



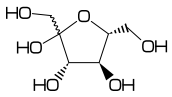
D-Glucose
mw:180.1558 / fm:C6H12O6
MW:180.16 / [9]



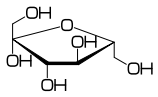
Fructose 1
mw:180.1558 / fm:C6H12O6
MW:180.16 / [10]



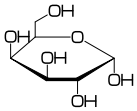
Fructose 2
mw:180.1558 / fm:C6H12O6
MW:180.16 / [11]



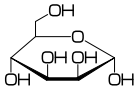
D-Fluctose
mw:180.1558 / fm:C6H12O6
MW:180.16 / [12]



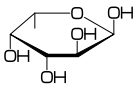
D-Galactose
mw:180.1558 / fm:C6H12O6
MW:180.16 / [13]



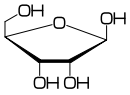
D-Mannose
mw:180.1558 / fm:C6H12O6
MW:180.16 / [14]



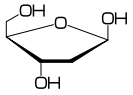
L-Fucose
mw:164.1564 / fm:C6H12O5
MW:164.16 / [15]



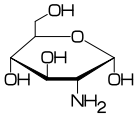
D-Ribose
mw:150.1299 / fm:C5H10O5
MW:150.13 / [16]



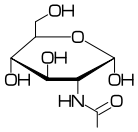
D-Deoxyribose
mw:134.1305 / fm:C5H10O4
MW:134.13 / [17]



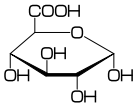
D-Glucosamine
mw:179.1711 / fm:C6H13NO5
MW:179.17 / [18]



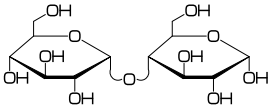
N-acetyl-Glucosamine
mw:221.2077 / fm:C8H15NO6
MW:221.21 / [19]



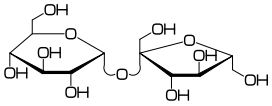
Glucuronic acid
mw:194.1393 / fm:C6H10O7
MW:194.14 / [20]



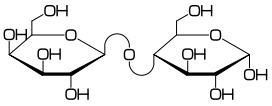
Maltose
mw:342.2964 / fm:C12H22O11
MW:342.3 / [21]



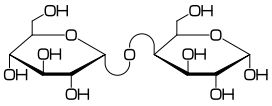
Sucrose
mw:342.2964 / fm:C12H22O11
MW:342.3 / [22]



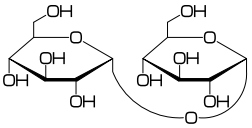
Lactose
mw:342.2964 / fm:C12H22O11
MW:342.3 / [23]



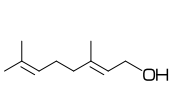
Cellobiose
mw:342.2964 / fm:C12H22O11
MW:342.3 / [24]



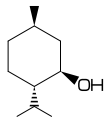
Trehalose
mw:342.2964 / fm:C12H22O11
MW:342.3 / [25]



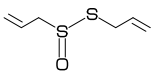
Geraniol
mw:154.2493 / fm:C10H18O
MW:154.25 / [26]



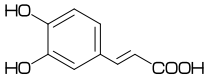
l-Menthol
mw:156.2652 / fm:C10H20O
MW:156.27 / [27]



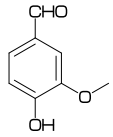
Allicin
mw:162.2729 / fm:C6H10OS2
MW:162.28 / [28]



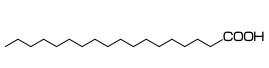
Caffeic acid
mw:180.1574 / fm:C9H8O4
MW:180.16 / [29]



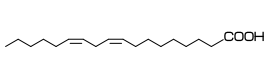
Vanillin
mw:152.1473 / fm:C8H8O3
MW:152.15 / [30]



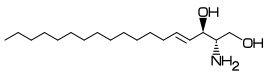
Stearic acid
mw:284.4772 / fm:C18H36O2
MW:284.48 / [31]



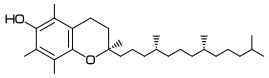
Linoleic acid
mw:280.4454 / fm:C18H32O2
MW:280.45 / [32]



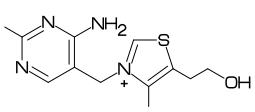
Sphingosine
mw:299.4918 / fm:C18H37NO2
MW:299.50 / [33]



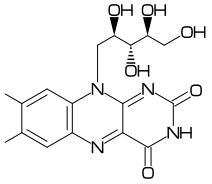
Tocopherol
mw:430.7060 / fm:C29H50O2
MW:430.717 / [34]



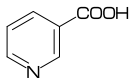
Thiamine
mw:265.3545 / fm:C12H17N4OS
MW:265.35 / [35]



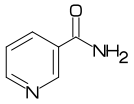
Riboflavin
mw:376.3638 / fm:C17H20N4O6
MW:376.37 / [36]



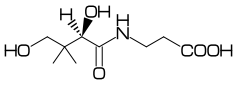
Nicotinic acid
mw:123.1093 / fm:C6H5NO2
MW:123.11 / [37]



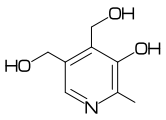
Nicotinamide
mw:122.1246 / fm:C6H6N2O
MW:122.12 / [38]



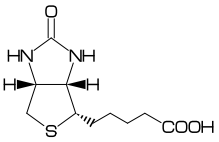
Pantothenic acid
mw:219.2349 / fm:C9H17NO5
MW:219.23 / [39]



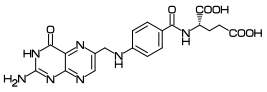
Pyridoxine
mw:169.1778 / fm:C8H11NO3
MW:169.18 / [40]



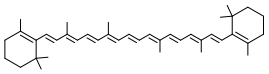
Biotin
mw:244.3106 / fm:C10H16N2O3S
MW:244.31 / [41]



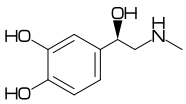
Folic acid
mw:441.3974 / fm:C19H19N7O6
MW:441.3975 / [42]



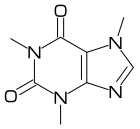
Carotene
mw:536.8726 / fm:C40H56
MW:536.8726 / [43]



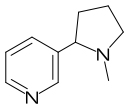
Adrenalin
mw:183.2044 / fm:C9H13NO3
MW:183.21 / [44]



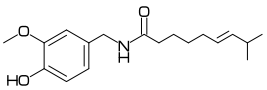
Caffeine
mw:194.1905 / fm:C8H10N4O2
MW:194.194 / [45]



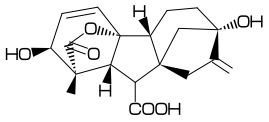
Nicotine
mw:162.2315 / fm:C10H14N2
MW:162.23 / [46]



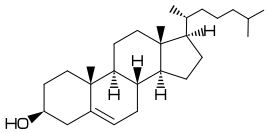
Capsaicin
mw:305.4118 / fm:C18H27NO3
MW:305.418 / [47]



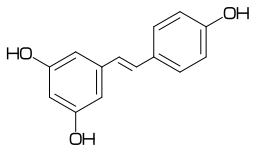
Gibberellin A3
mw:346.3743 / fm:C19H22O6
MW:346.379 / [48]



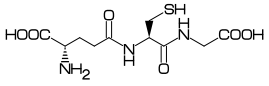
Cholesterol
mw:386.6535 / fm:C27H46O
MW:386.664 / [49]



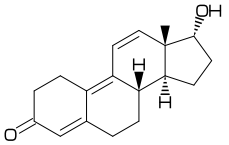
Resveratrol
mw:228.2432 / fm:C14H12O3
MW:228.24 / [50]



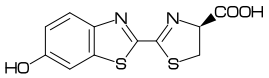
Glutathione
mw:307.3234 / fm:C10H17N3O6S
MW:307.33 / [51]



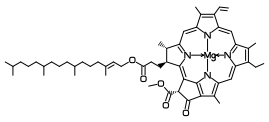
Trenbolone
mw:270.3660 / fm:C18H22O2
MW:270.37 / [52]



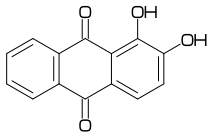
Luciferin
mw:280.3228 / fm:C11H8N2O3S2
MW:280.33 / [53]



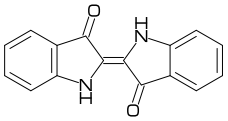
Chlorophyll a
mw:893.4889 / fm:C55H72MgN4O5
MW:893.509 / [54]



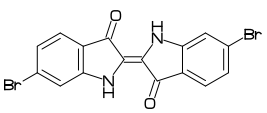
Alizarin
mw:240.2109 / fm:C14H8O4
MW:240.21 / [55]



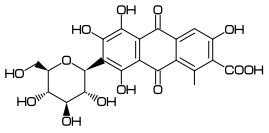
Indigo
mw:262.2627 / fm:C16H10N2O2
MW:262.26 / [56]



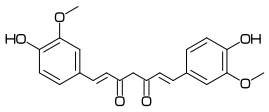
6,6'-dibromoindigo
mw:420.0549 / fm:C16H8Br2N2O2
MW:420.0549 / [57]



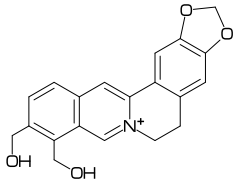
Carminic Acid
mw:492.3863 / fm:C22H20O13
MW:492.39 / [58]



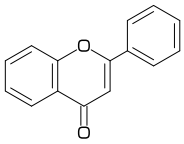
Curcumin
mw:368.3798 / fm:C21H20O6
MW:368.38 / [59]



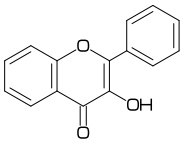
Berberine
mw:336.3612 / fm:C20H18NO4
MW:336.36 / [60]



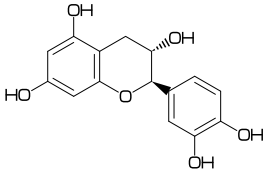
Flavone
mw:222.2386 / fm:C15H10O2
MW:222.24 / [61]



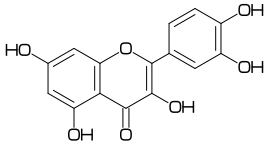
Flavonol
mw:238.2381 / fm:C15H10O3
MW:238.24 / [62]



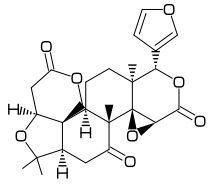
Cianidanol
mw:290.2680 / fm:C15H14O6
MW:290.27 / [63]



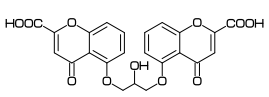
Quercetin
mw:302.2357 / fm:C15H10O7
MW:302.24 / [64]



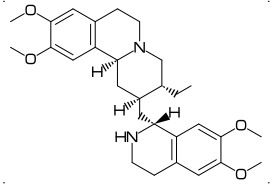
Limonin
mw:470.5115 / fm:C26H30O8
MW:470.518 / [65]



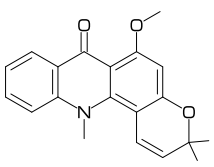
Cromolyn
mw:468.3665 / fm:C23H16O11
MW:468.37 / [66]



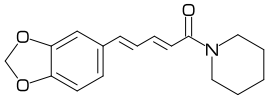
Emetine
mw:480.6388 / fm:C29H40N2O4
MW:480.649 / [67]



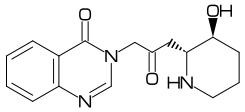
Acronycine
mw:321.3697 / fm:C20H19NO3
MW:321.376 / [68]



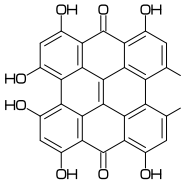
Piperine
mw:285.3376 / fm:C17H19NO3
MW:285.343 / [69]



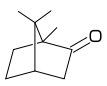
Febrifugine
mw:301.3403 / fm:C16H19N3O3
MW:301.34 / [70]



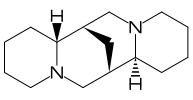
Hypericin
mw:504.4432 / fm:C30H16O8
MW:504.44 / [71]



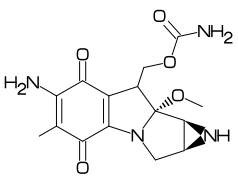
Camphor
mw:152.2334 / fm:C10H16O
MW:152.23 / [72]



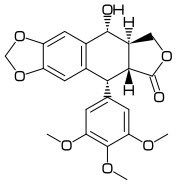
Sparteine
mw:234.3803 / fm:C15H26N2
MW:234.3803 / [73]



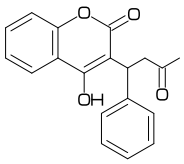
Mitomycine C
mw:334.3272 / fm:C15H18N4O5
MW:334.332 / [74]



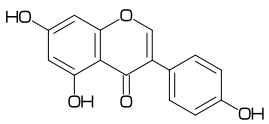
Podophyllotoxin
mw:414.4052 / fm:C22H22O8
MW:414.41 / [75]



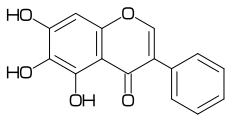
Warfarin
mw:308.3279 / fm:C19H16O4
MW:308.333 / [76]



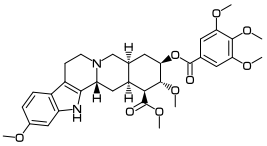
Genistein
mw:270.2368 / fm:C15H10O5
MW:270.24 / [77]



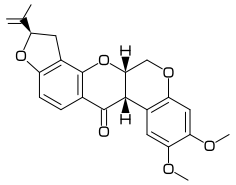
Baicalein
mw:270.2368 / fm:C15H10O5
MW:270.24 / [78]



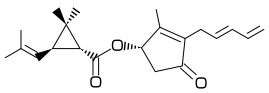
Reserpine
mw:608.6786 / fm:C33H40N2O9
MW:608.688 / [79]



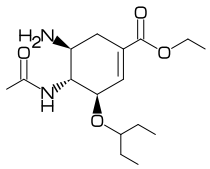
Rotenone
mw:394.4171 / fm:C23H22O6
MW:394.423 / [80]



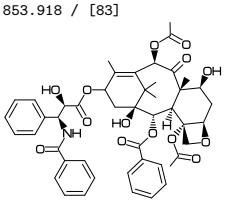
Pyrethrin I
mw:328.4452 / fm:C21H28O3
MW:328.452 / [81]



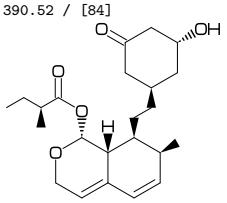
Oseltamivir
mw:312.4045 / fm:C16H28N2O4
MW:312.40 / [82]



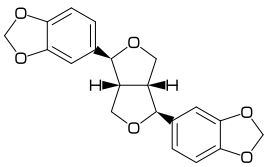
Paclitaxel
mw:853.9061 / fm:C47H51NO14
MW:853.918 / [83]



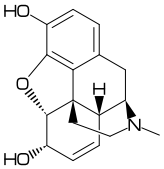
Mevastatin
mw:390.5130 / fm:C23H34O5
MW:390.52 / [84]



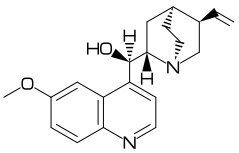
Sesamine
mw:354.3533 / fm:C20H18O6
MW:354.35 / [85]



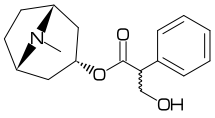
Morphine
mw:285.3376 / fm:C17H19NO3
MW:285.343 / [86]



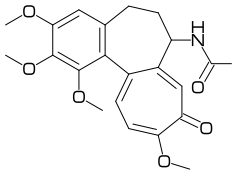
Quinine
mw:324.4167 / fm:C20H24N2O2
MW:324.424 / [87]



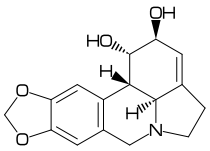
Atoropin
mw:289.3694 / fm:C17H23NO3
MW:289.375 / [88]



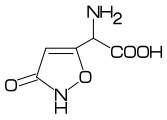
Colchicine
mw:399.4370 / fm:C22H25NO6
MW:399.443 / [89]



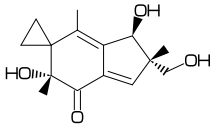
Lycorine
mw:287.3104 / fm:C16H17NO4
MW:287.315 / [90]



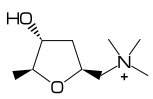
Ibotenic acid
mw:158.1121 / fm:C5H6N2O4
MW:158.113 / [91]



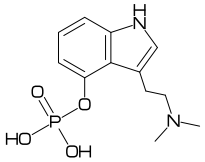
Illudin S
mw:264.3168 / fm:C15H20O4
MW:264.3 / [92]



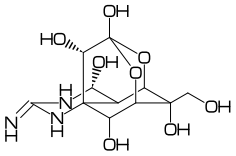
Muscarine
mw:174.2605 / fm:C9H20NO2
MW:174.26 / [93]



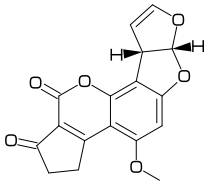
Psilocybin
mw:284.2481 / fm:C12H17N2O4P
MW:284.248 / [94]



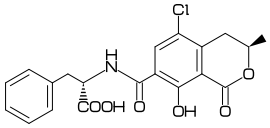
Tetrodotoxine
mw:319.2679 / fm:C11H17N3O8
MW:319.27 / [95]



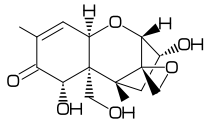
Aflatoxin B1
mw:312.2735 / fm:C17H12O6
MW:312.27 / [96]



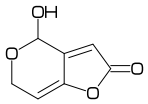
Ochratoxin A
mw:403.8130 / fm:C20H18ClNO6
MW:403.813 / [97]



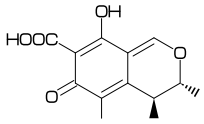
Deoxynivalenol
mw:296.3156 / fm:C15H20O6
MW:296.32 / [98]



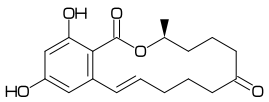
Patulin
mw:154.1201 / fm:C7H6O4
MW:154.12 / [99]



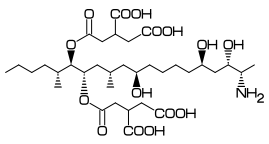
Citrinin
mw:250.2472 / fm:C13H14O5
MW:250.247 / [100]



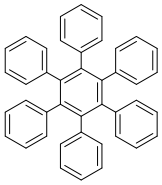
Zearalenone
mw:318.3642 / fm:C18H22O5
MW:318.364 / [101]



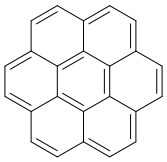
Fumonisin B1
mw:721.8299 / fm:C34H59NO15
MW:721.83 / [102]



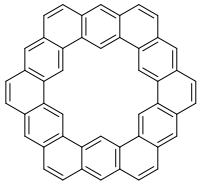
Hexaphenylbenzene
mw:534.6875 / fm:C42H30
MW:534.6876 / [103]



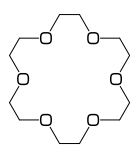
Coronene
mw:300.3520 / fm:C24H12
MW:300.35 / [104]



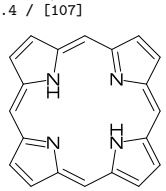
Kekulene
mw:600.7041 / fm:C48H24
MW:600.7 / [105]



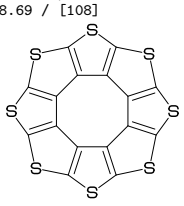
18-Crown-6
mw:264.3153 / fm:C12H24O6
MW:264.32 / [106]



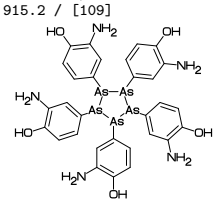
Porphyrin
mw:310.3519 / fm:C20H14N4
MW:310.4 / [107]



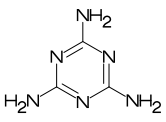
Sulflower
mw:448.6911 / fm:C16S8
MW:448.69 / [108]



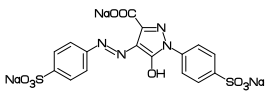
Arsphenamine x5
mw:915.1977 / fm:C30H30As5N5O5
MW:915.2 / [109]



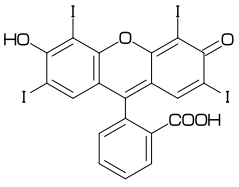
Melamine
mw:126.1199 / fm:C3H6N6
MW:126.12 / [110]



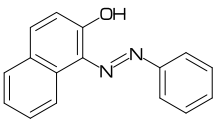
Tartrazine
mw:534.3633 / fm:C16H9N4Na3O9S2
MW:534.3 / [111]



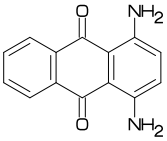
Erythrosine
mw:835.8923 / fm:C20H8I4O5
MW:835.9 / [112]



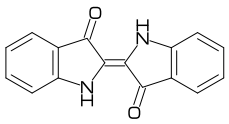
Sudan red 1
mw:248.2792 / fm:C16H12N2O
MW:248.28 / [113]



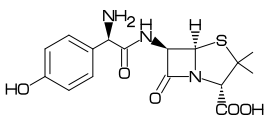
Disperse violet 1
mw:238.2413 / fm:C14H10N2O2
MW:238.25 / [114]



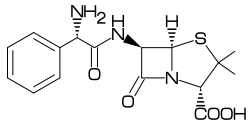
Vat blue 1
mw:262.2627 / fm:C16H10N2O2
MW:262.27 / [115]



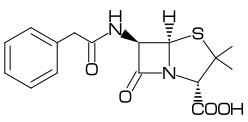
Amoxicillin
mw:365.4041 / fm:C16H19N3O5S
MW:365.4042 / [116]



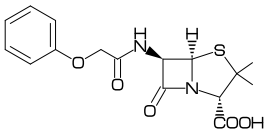
Ampicillin
mw:349.4047 / fm:C16H19N3O4S
MW:349.405 / [117]



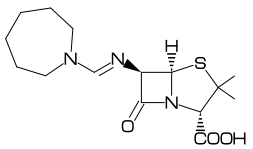
Penicillin G
mw:334.3901 / fm:C16H18N2O4S
MW:334.4 / [118]



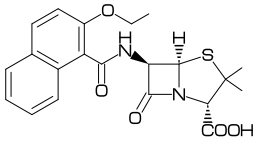
Penicillin V
mw:350.3895 / fm:C16H18N2O5S
MW:350.3895 / [119]



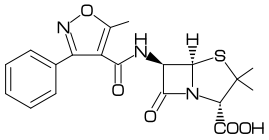
Mecillinam
mw:325.4264 / fm:C15H23N3O3S
MW:325.4264 / [120]



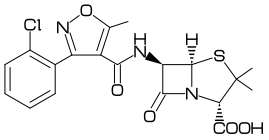
Nafcillin
mw:414.4747 / fm:C21H22N2O5S
MW:414.4748 / [121]



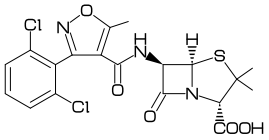
Oxacillin
mw:401.4362 / fm:C19H19N3O5S
MW:401.4363 / [122]



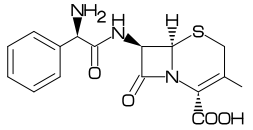
Cloxacillin
mw:435.8813 / fm:C19H18ClN3O5S
MW:435.8813 / [123]



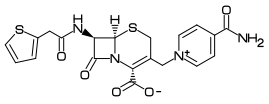
Dicloxacillin
mw:470.3263 / fm:C19H17Cl2N3O5S
MW:470.3264 / [124]



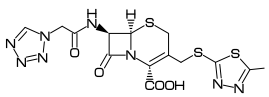
Cefalexin
mw:347.3888 / fm:C16H17N3O4S
MW:347.3889 / [125]



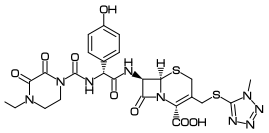
Cefalonium
mw:458.5107 / fm:C20H18N4O5S2
MW:458.5107 / [126]



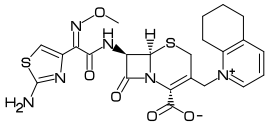
Cefazorin
mw:454.5071 / fm:C14H14N8O4S3
MW:454.51 / [127]



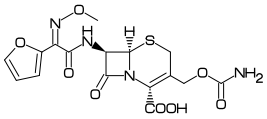
Cefoperazone
mw:645.6673 / fm:C25H27N9O8S2
MW:645.67 / [128]



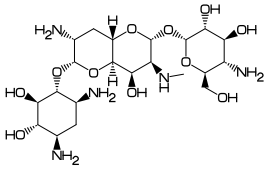
Cefquinome
mw:528.6038 / fm:C23H24N6O5S2
MW:528.6 / [129]



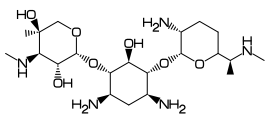
Cefuroxime
mw:424.3852 / fm:C16H16N4O8S
MW:424.3852 / [130]



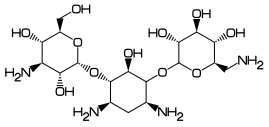
Apramycin
mw:539.5771 / fm:C21H41N5O11
MW:539.58 / [131]



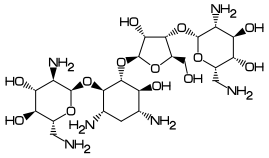
Gentamycin
mw:477.5954 / fm:C21H43N5O7
MW:477.596 / [132]



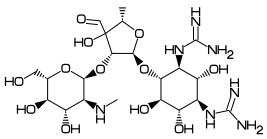
Kanamycin
mw:484.4986 / fm:C18H36N4O11
MW:484.499 / [133]



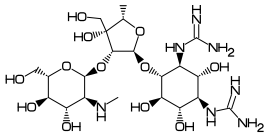
Neomycin
mw:614.6437 / fm:C23H46N6O13
MW:614.644 / [134]



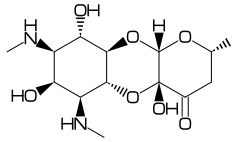
Streptmycin
mw:581.5740 / fm:C21H39N7O12
MW:581.574 / [135]



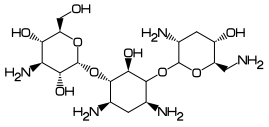
dihydro-Streptmycin
mw:583.5899 / fm:C21H41N7O12
MW:583.574 / [136]



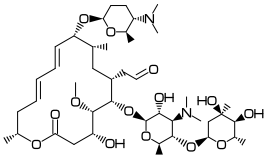
Spectinomycin
mw:332.3495 / fm:C14H24N2O7
MW:332.35 / [137]



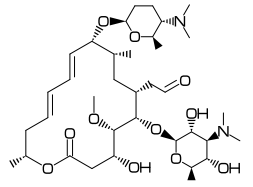
Tobramycin
mw:467.5144 / fm:C18H37N5O9
MW:467.51 / [138]



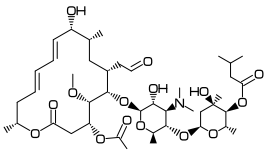
Spiramycin
mw:843.0526 / fm:C43H74N2O14
MW:843.1 / [139]



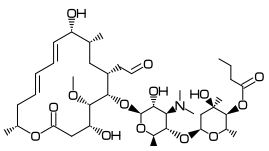
Neospiramycin
mw:698.8842 / fm:C36H62N2O11
MW:698.9 / [140]



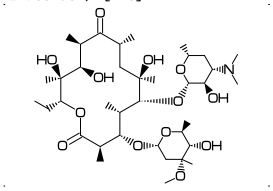
Josamycin
mw:827.9949 / fm:C42H69NO15
MW:827.995 / [141]



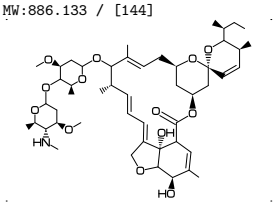
Leucomycin A5
mw:771.9317 / fm:C39H65NO14
MW:771.942 / [142]



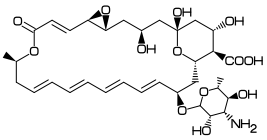
Erythromycin
mw:733.9267 / fm:C37H67NO13
MW:733.93 / [143]



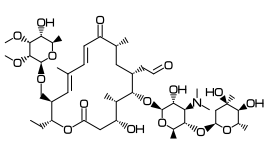
Emamectine
mw:886.1187 / fm:C49H75NO13
MW:886.133 / [144]



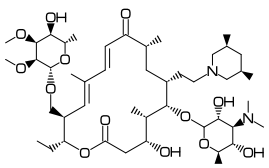
Natamycin
mw:665.7251 / fm:C33H47NO13
MW:665.733 / [145]



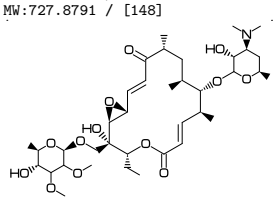
Tylocin
mw:916.1000 / fm:C46H77NO17
MW:916.10 / [146]



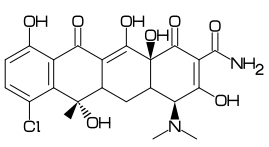
Tilmicosin
mw:869.1330 / fm:C46H80N2O13
MW:869.133 / [147]



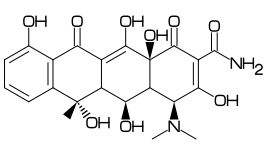
Mirosamicin
mw:727.8791 / fm:C37H61NO13
MW:727.8791 / [148]



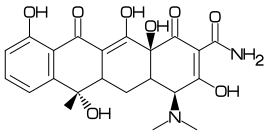
Chlortetracyclin
mw:478.8796 / fm:C22H23ClN2O8
MW:478.88 / [149]



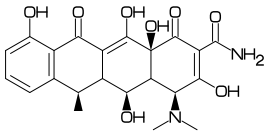
Oxytetracyclin
mw:460.4339 / fm:C22H24N2O9
MW:460.434 / [150]



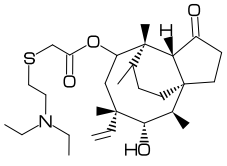
Tetracyclin
mw:444.4345 / fm:C22H24N2O8
MW:444.435 / [151]



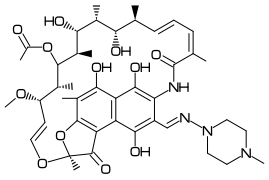
Doxycyclin
mw:444.4345 / fm:C22H24N2O8
MW:444.43 / [152]



Tiamulin
mw:493.7420 / fm:C28H47NO4S
MW:493.74 / [153]



Rifampicin
mw:822.9402 / fm:C43H58N4O12
MW:822.94 / [154]



Sulfadiadine
mw:250.2769 / fm:C10H10N4O2S
MW:250.276 / [155]