

Table 1: Ghose-Crippen Descriptor Features

Bit Position	Feature
1	Primary Carbon
2	Secondary Carbon
3	Tertiary Carbon
4	Quaternary Carbon
5	Sp ³ Hybridized Carbon
6	Sp ² Hybridized Carbon
7	Allylic Carbon
8	Benzylic Carbon
9	Aromatic Carbon
10	Cyclic Carbon
11	Branched Carbon
12	Linear Carbon
13	Cycloalkane
14	Cyclic Alkene
15	Cyclic Alkyne
16	Quinone
17	Ketone
18	Aldehyde
19	Carboxylic Acid
20	Ester
21	Amide
22	Nitrile
23	Thiol
24	Sulfide
25	Disulfide
26	Phosphate
27	Silicon
28	Fused Rings
29	Methyl Group
30	Ethyl Group
31	Propyl Group
32	Isopropyl Group
33	Butyl Group
34	Allyl Group
35	Benzyl Group
36	Phenyl Group
37	Halogen
38	Nitrogen
39	Saturated Carbon
40	Hydroxyl Group
41	Ether
42	Aromatic Hydroxyl
43	Carbonyl
44	Alcohol
45	Phenolic
46	Amino Group
47	Amide
48	Amino Acid
49	Amine
50	Primary Amine
51	Secondary Amine
52	Tertiary Amine
53	Quaternary Amine
54	Aromatic Amine
55	Imine
56	Nitrile
57	Nitroso