



HOSHIMOV HUSANBOY
RASULOV MUSLIMBEK

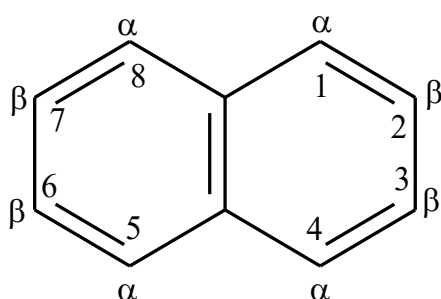
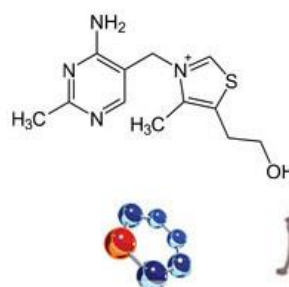


ORGANIK MODDALAR

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RASULOV MUSLIMBEK



NAFTALIN

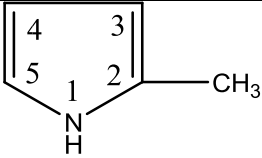
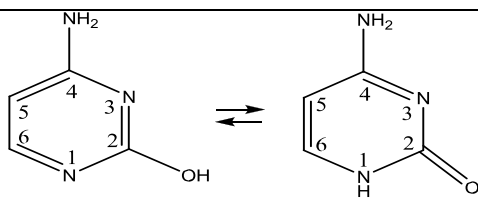
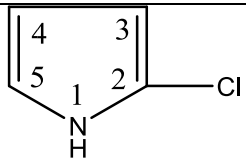
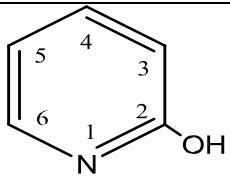
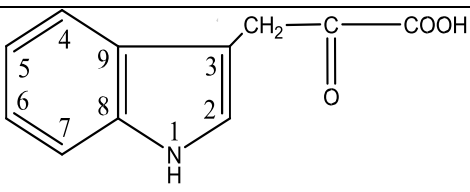
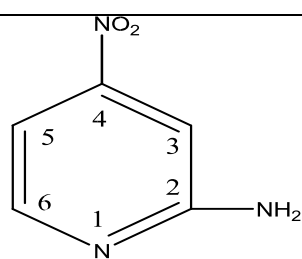
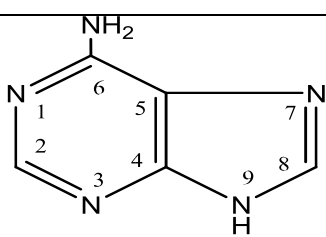
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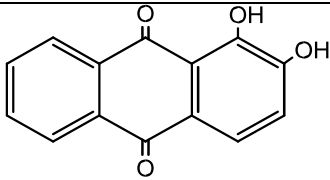
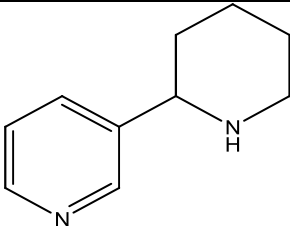
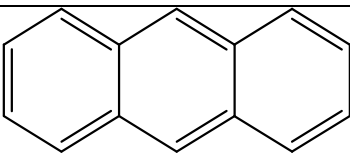
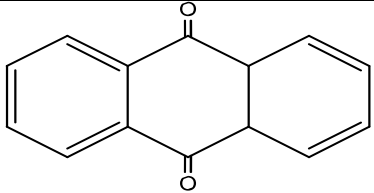
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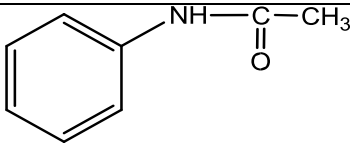
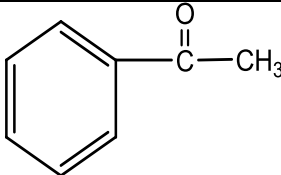
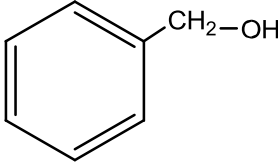
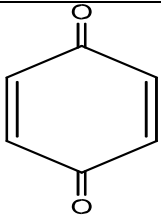
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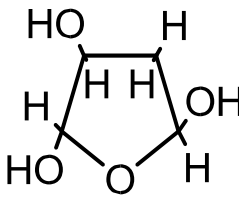
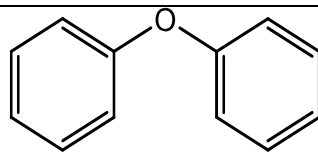
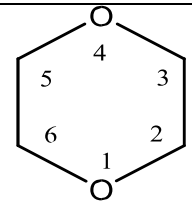
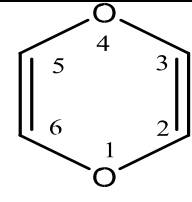


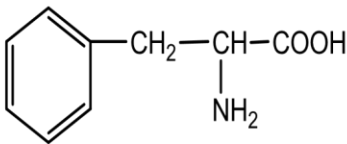
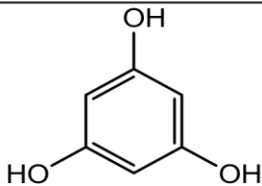
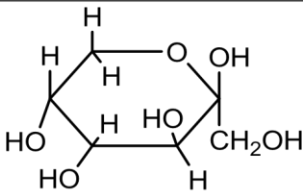
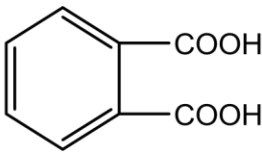
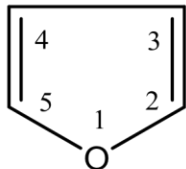
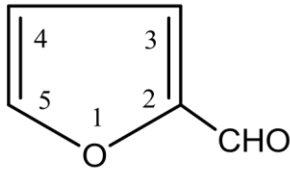
ENG ZARUR ORGANIK MODDALAR 2022

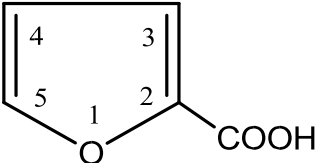
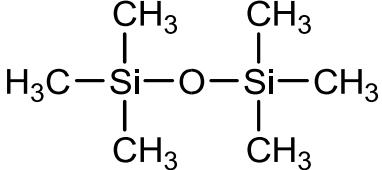
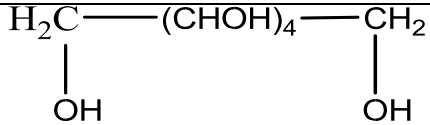
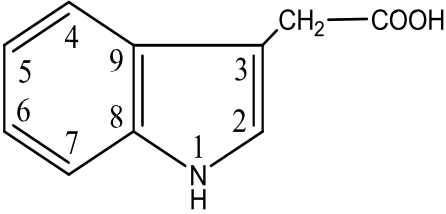
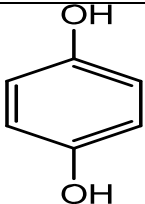
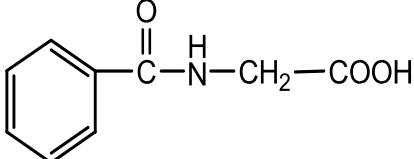
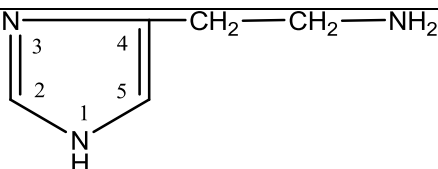
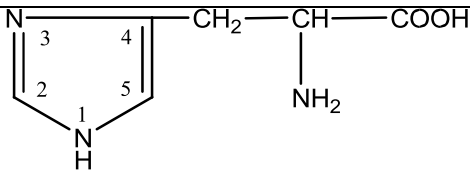
№		STRUKTURA FORMULASI	EMPIRIK FORMULASI VA MOLEKULYAR MASSASI	Uglerod atomining oksidlanish darajalari yig'indisi
1	2 – metil pirrol			
2	2 - oksi, 4 - aminopirimidin			
3	2 – xlor pirrol			
4	2-oksi-piridin			
5	3 – indolil pirouzum kislota			
6	4 – nitro 2 – aminopiridin			
7	Adenin			

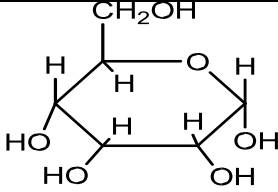
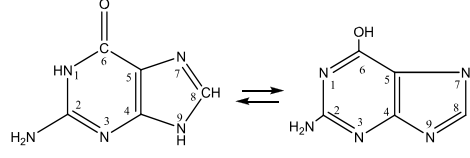
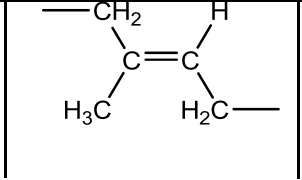
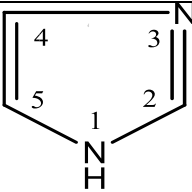
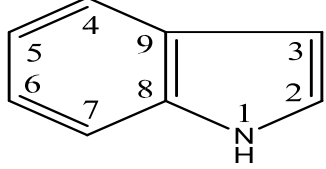
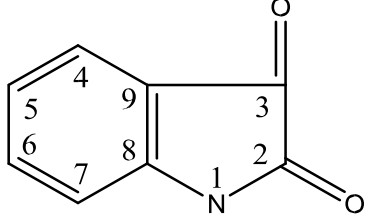
8	Adipin kislota	$\begin{array}{c} \text{CH}_2 - \text{CH}_2 - \text{COOH} \\ \\ \text{CH}_2 - \text{CH}_2 - \text{COOH} \end{array}$		
9	Akril kislota nitrili (akrilonitril)	$\text{CH}_2 = \text{CH} - \text{CN}$		
10	Akrilamid	$\text{CH}_2 = \text{CH} - \text{CONH}_2$		
11	Akrolein	$\text{CH}_2 = \text{CH} - \text{CHO}$		
12	Alanin	$\begin{array}{c} \text{CH}_3 - \text{C} - \text{COOH} \\ \\ \text{NH}_2 \end{array}$		
13	Aldol	$\begin{array}{c} \text{CH}_3 - \text{CH} - \text{CH}_2 - \text{CHO} \\ \\ \text{OH} \end{array}$		
14	Alizarin			
15	Allen	$\text{CH}_2 = \text{C} = \text{CH}_2$		
16	Allil spirti	$\text{CH}_2 = \text{CH} - \text{CH}_2\text{OH}$		
17	Amidlar	$\text{R} - \text{CONH}_2$		
18	Anabazin			
19	Antratsen (fenantren)			
20	Antraxinon			
21	Araxin kislota	$\text{CH}_3(\text{CH}_2)_{18}\text{COOH}$		

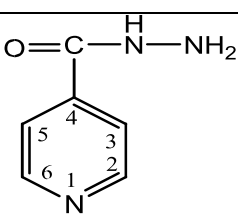
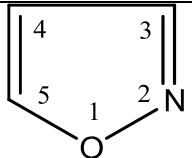
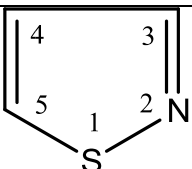
22	Arginin	$\begin{array}{c} \text{NH}_2-\text{C}-\text{NH}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}-\text{COOH} \\ \parallel \qquad \qquad \qquad \\ \text{NH} \qquad \qquad \qquad \text{NH}_2 \end{array}$		
23	Asetanilid			
24	Asetil sut kislota	$\begin{array}{c} \text{CH}_3-\text{C}-\text{COOH} \\ \\ \text{OOCCH}_3 \end{array}$		
25	Asetoamid	$\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_3-\text{C} \\ \\ \text{NH}_2 \end{array}$		
26	Asetofenon			
27	Aseton oksimi	$\begin{array}{c} \text{CH}_3-\text{C}-\text{CH}_3 \\ \parallel \\ \text{NOH} \end{array}$		
28	Asetonitril	CH_3-CN		
29	Asetosirka efir C ₆ H ₁₀ O ₃	$\text{CH}_3-\overset{\text{O}}{\parallel}{\text{C}}-\text{CH}_2-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\text{C}_2\text{H}_5$		
30	asparagin	$\begin{array}{c} \text{H}_2 \\ \\ \text{HOOC}-\text{C}-\text{CH}-\text{COOH} \\ \\ \text{NH}_2 \end{array}$		
31	Azelain kislota	$\text{HOOC}-(\text{CH}_2)_7-\text{COOH}$		
32	Benzil spirti			
33	Benzoxinon			
34	Biuret	$\text{H}_2\text{N}-\overset{\text{O}}{\parallel}{\text{C}}-\text{NH}-\overset{\text{O}}{\parallel}{\text{C}}-\text{NH}_2$		

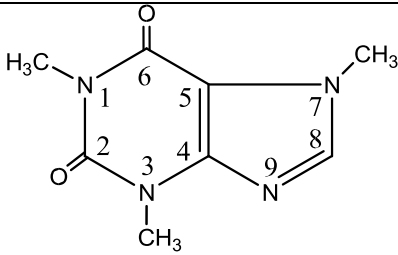
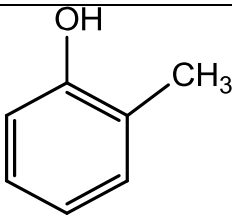
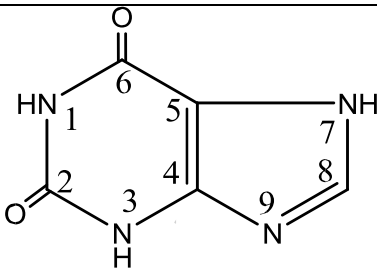
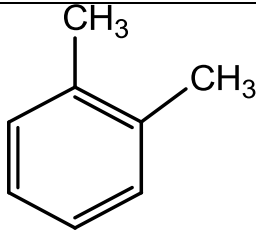
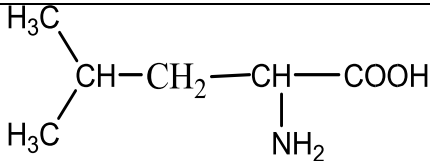
35	Dezoksi-riboza			
36	Diamid adipin kislota	$\begin{array}{c} \text{CH}_2-\text{CH}_2-\text{C}(=\text{O})\text{NH}_2 \\ \\ \text{CH}_2-\text{CH}_2-\text{C}(=\text{O})\text{NH}_2 \end{array}$		
37	Diaseton spirt	$\begin{array}{c} \text{OH} \quad \quad \text{O} \\ \quad \quad \\ \text{H}_3\text{C}-\text{C}-\text{CH}_2-\text{C}-\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$		
38	Difenilefir			
39	Diketen	$\begin{array}{c} \text{O} \\ \diagup \quad \diagdown \\ \text{H}_2\text{C}=\text{C} \quad \text{C}=\text{O} \\ \diagdown \quad \diagup \\ \text{C} \\ \\ \text{H}_2 \end{array}$		
40	Dimetil nitrozamin	$\begin{array}{c} \text{CH}_3 \\ \diagdown \\ \text{N}-\text{NO} \\ \diagup \\ \text{H}_3\text{C} \end{array}$		
41	Dinitril adipin kislota	$\begin{array}{c} \text{CH}_2-\text{CH}_2-\text{CN} \\ \\ \text{CH}_2-\text{CH}_2-\text{CN} \end{array}$		
42	Dioksan			
43	Dioksin			
44	Disian	$\begin{array}{c} \text{C}\equiv\text{N} \\ \\ \text{C}\equiv\text{N} \end{array}$		
45	Dulsit	$\text{CH}_2\text{OH}(\text{CHOH})_4\text{CH}_2\text{OH}$		

46	Elaidin kislota	$\text{CH}_3-(\text{CH}_2)_7-\text{CH}=\text{CH}-(\text{CH}_2)_7-\text{COOH}$		
47	Enant kislota	$\text{CH}_3-(\text{CH}_2)_5-\text{COOH}$		
48	Etanol kislota (glikol)	$\text{CH}_2\text{OH}-\text{COOH}$		
49	Etilen xloridrin	$\begin{array}{c} \text{H}_2\text{C}-\text{Cl} \\ \\ \text{H}_2\text{C}-\text{OH} \end{array}$		
50	Etiletanoat	$\text{CH}_3\text{COOC}_2\text{H}_5$		
51	Fenil alanin			
52	Fenil gidroksilamin	$\text{C}_6\text{H}_5-\text{NHOH}$		
53	Floroglutsin (flyurogallol)			
54	Formalin	HCHO		
55	Fruktoza			
56	Ftal kislota			
57	Furan			
58	Furfurol			

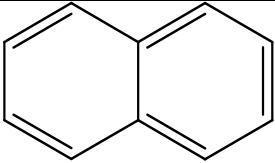
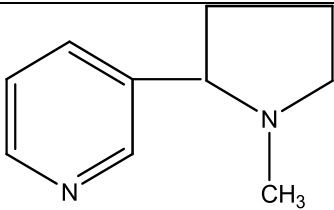
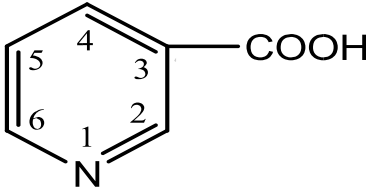
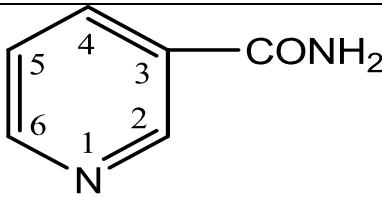
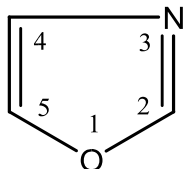
59	Furil karbon kislota			
60	Geksametil disiloksan			
61	geksaxloran	$C_6H_6Cl_6$		
62	Geksit			
63	Geteroauksin			
64	Gidroxinon			
65	Gidrozonlar	$R - NH - NH_2$		
66	Gippur kislota			
67	Gistamin			
68	Gistidin			
69	Glioksal	$OHC - CHO$		

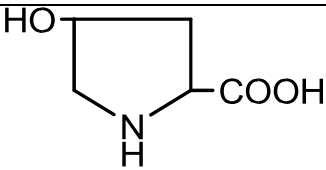
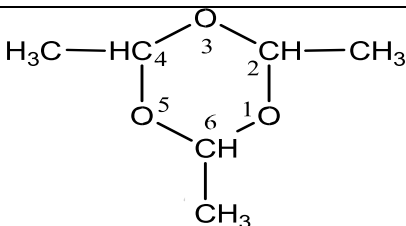
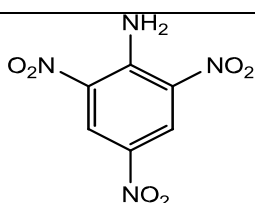
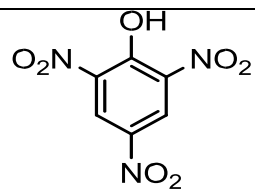
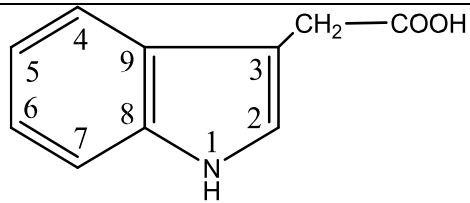
70	Glitsin (glikokol)	$\begin{array}{c} \text{H}_2\text{C} - \text{COO}^- \\ \\ \text{NH}_2 \end{array}$		
71	Glutamin	$\text{HOOC} - \text{CH}_2 - \text{CH}_2 - \underset{\text{NH}_2}{\text{CH}} - \text{COOH}$		
72	Glutar kislota	$\begin{array}{c} \text{CH}_2 - \text{COOH} \\ / \quad \backslash \\ \text{H}_2\text{C} \\ \backslash \quad / \\ \text{CH}_2 - \text{COOH} \end{array}$		
73	Glyukoza			
74	Guanin			
75	Guttapercha			
76	Imidazol			
77	indigo			
78	Indol			
79	izaton			

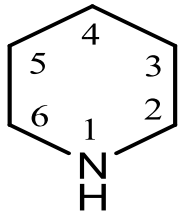
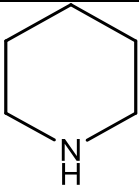
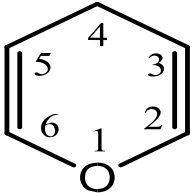
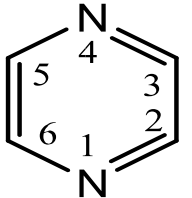
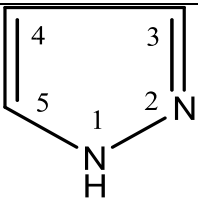
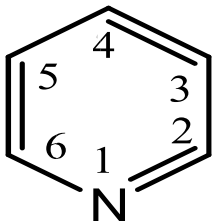
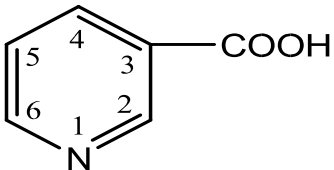
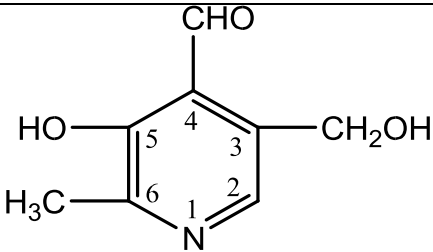
80	Izoamil spirit	$ \begin{array}{c} \text{C}_2\text{H}_5-\text{C}-\text{C}-\text{O} \\ \quad \quad \\ \text{C} \quad \quad \text{H} \\ \\ \text{H} \end{array} $		
81	Izoleysin	$ \begin{array}{c} \text{H}_3\text{C}-\text{C}-\text{C}-\text{C}-\text{COOH} \\ \quad \quad \\ \text{H}_2 \quad \text{H} \quad \text{H} \\ \quad \quad \text{CH}_3 \quad \text{NH}_2 \end{array} $		
82	Izoniazid			
83	Izooksazol			
84	Izooktan	$ \begin{array}{c} \text{CH}_3 \\ \\ \text{H}_3\text{C}-\text{C}-\text{CH}_2-\text{CH}-\text{CH}_3 \\ \quad \quad \\ \text{CH}_3 \quad \quad \text{CH}_3 \end{array} $		
85	Izotiazol			
86	Kadaverin (penta metilen diamin)	$ \begin{array}{c} \text{NH}_2 \\ \\ (\text{CH}_2)_5 \\ \\ \text{NH}_2 \end{array} $		
87	Kapril kislota	$\text{CH}_3-(\text{CH}_2)_7-\text{COOH}$		
88	Kapron alegid	$\text{CH}_3-(\text{CH}_2)_2-\text{CHO}$		
89	Karbamid mochevina	$ \begin{array}{c} \text{O} \\ \\ \text{H}_2\text{N}-\text{C}-\text{NH}_2 \end{array} $		
90	Karbamin kislotsi	NH_2-COOH		
91	Karbinol	CH_3OH		

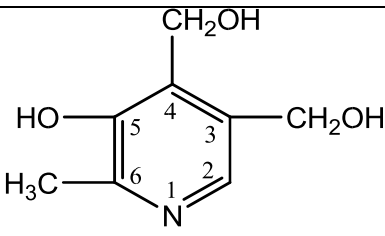
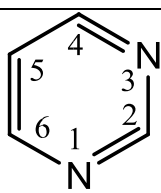
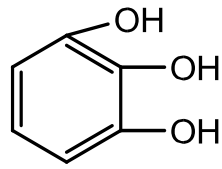
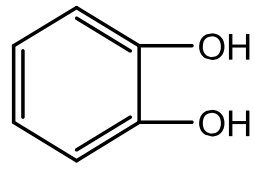
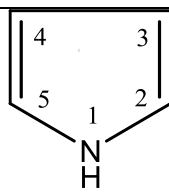
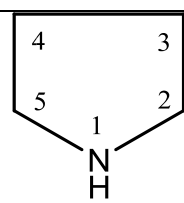
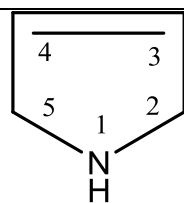
92	Karbol kislota	—		
93	kofein			
94	Kraton kislota	$\text{CH}_3 - \text{CH} = \text{CH} - \text{COOH}$		
95	Krezol			
96	Kroton alegid	$\text{CH}_3 - \text{CH} = \text{CH} - \text{CHO}$		
97	ksantin			
98	Ksilol			
99	Levulin aldegid	$\text{H}_3\text{C} - \overset{\text{O}}{\underset{\text{ }}{\text{C}}} - \text{CH}_2 - \text{CH}_2 - \text{CHO}$		
100	Leysin			
101	Lignotserin	$\text{CH}_3 - (\text{CH}_2)_{22} - \text{COOH}$		

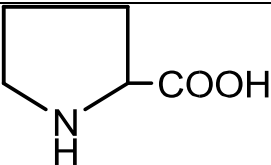
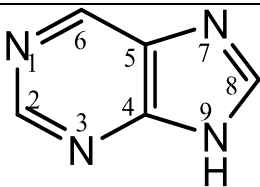
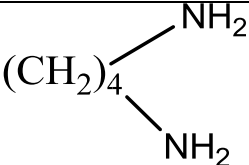
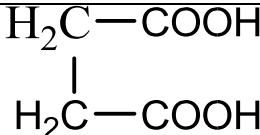
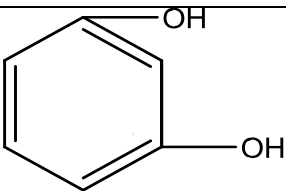
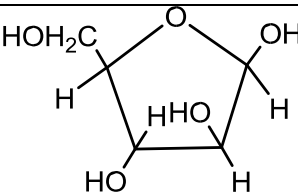
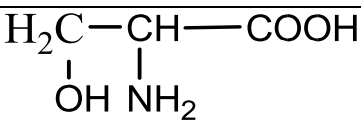
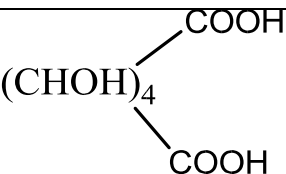
102	Limon kislotasi	$\begin{array}{c} \text{COOH} \\ \\ \text{HOOC}-\text{C}-\text{C}-\text{C}-\text{COOH} \\ \\ \text{OH} \end{array}$		
103	Linol	$\text{C}_{17}\text{H}_{31}\text{COOH}$		
104	Linolein	$\text{C}_{17}\text{H}_{29}\text{COOH}$		
105	Lizin	$\begin{array}{c} \text{NH}_2-(\text{CH}_2)_4-\text{CH}-\text{COOH} \\ \\ \text{NH}_2 \end{array}$		
106	Lyuis kislota	$\text{FeCl}_3 * \text{AlCl}_3$		
107	Malein kislota	$\begin{array}{c} \text{HC}-\text{COOH} \\ \\ \text{HC}-\text{COOH} \end{array}$		
108	Malon kislota	$\begin{array}{c} \text{COOH} \\ / \\ \text{H}_2\text{C} \\ \backslash \\ \text{COOH} \end{array}$		
109	Mannit	$\begin{array}{c} \text{H}_2\text{C}-(\text{CHOH})_4-\text{CH}_2 \\ \qquad \qquad \qquad \\ \text{OH} \qquad \qquad \qquad \text{OH} \end{array}$		
110	Mannon (glyukon) kislota	$\begin{array}{c} \text{H}_2\text{C}-(\text{CHOH})_4-\text{COOH} \\ \\ \text{OH} \end{array}$		
111	Margarin	$\text{C}_{16}\text{H}_{33}\text{COOH}$		
112	Metakril kislota	$\begin{array}{c} \text{H}_2\text{C}=\text{C}-\text{C} \\ \qquad \qquad // \\ \text{CH}_3 \qquad \qquad \text{O} \\ \qquad \qquad \qquad \backslash \\ \qquad \qquad \qquad \text{OH} \end{array}$		
113	Metil metaakrilat	$\begin{array}{c} \text{H}_2\text{C}=\text{C}-\text{C} \\ \qquad \qquad // \\ \text{CH}_3 \qquad \qquad \text{O} \\ \qquad \qquad \qquad \backslash \\ \qquad \qquad \qquad \text{OCH}_3 \end{array}$		
114	Metilmer kaptan	CH_3-SH		

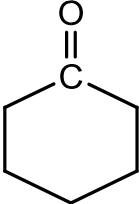
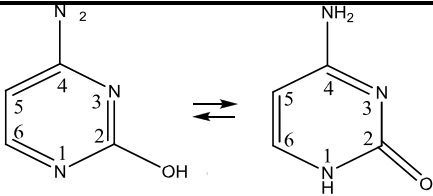
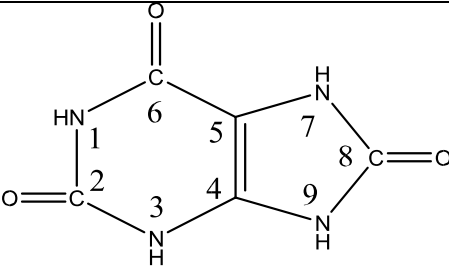
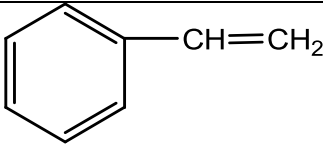
115	Metionin	$\begin{array}{c} \text{CH}_3-\text{S}-\text{CH}_2-\text{CH}-\text{COOH} \\ \\ \text{NH}_2 \end{array}$		
116	Metoksietan	$\text{CH}_3 - \text{O} - \text{C}_2\text{H}_5$		
117	Miristin kislota	$\text{CH}_3-(\text{CH}_2)_{12}-\text{COOH}$		
118	Moy aldegid	$\text{C}_3\text{H}_7\text{CHO}$		
119	Naftalin			
120	Neopentan	$\begin{array}{c} \text{CH}_3 \\ \\ \text{H}_3\text{C}-\text{C}-\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$		
121	Nikotin			
122	Nikotin kislota			
123	nikotin kislota amidi			
124	Nitrozamin	$\begin{array}{c} \text{R} \\ \diagdown \\ \text{N}-\text{NO} \\ \diagup \\ \text{R} \end{array}$		
125	n-valerian kislota	$\text{C}_4\text{H}_9-\text{COOH}$		
126	Oksazol			

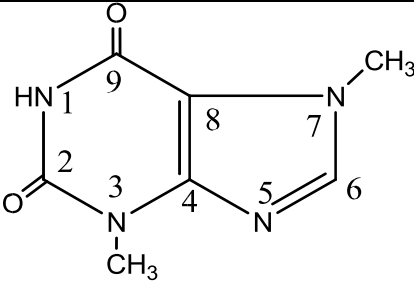
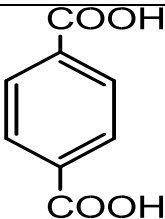
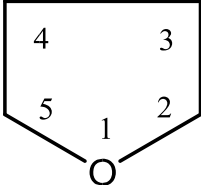
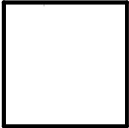
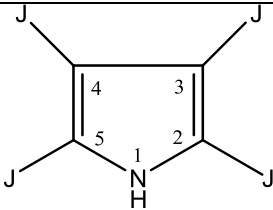
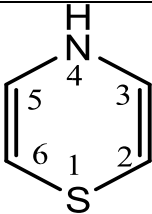
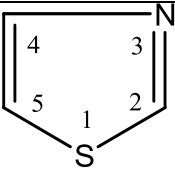
127	Oksigidroxinon	—		
128	Oksiprolin			
129	Olein (sis) kislotsi	$\begin{array}{l} \text{HC}-(\text{CH}_2)_7-\text{CH}_3 \\ \\ \text{HC}-(\text{CH}_2)_7-\text{COOH} \end{array}$		
130	Palmitin kislota	$\text{C}_{17}\text{H}_{33}-\text{COOH}$		
131	Palmiton	$\text{C}_{15}\text{H}_{31}-\overset{\text{O}}{\parallel}{\text{C}}-\text{C}_{15}\text{H}_{31}$		
132	Palmiton kislota	$\text{CH}_3-(\text{CH}_2)_{14}-\text{COOH}$		
133	Paraldegid			
134	Pellargon kislota	$\text{CH}_3-(\text{CH}_2)_7-\text{COOH}$		
135	Pikramid			
136	Pikrin kislota			
137	P-indolil sirka kisilota			

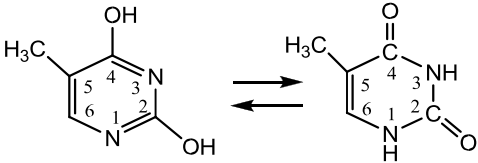
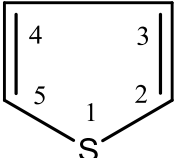
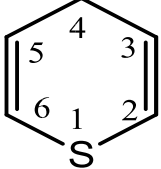
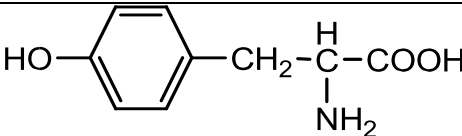
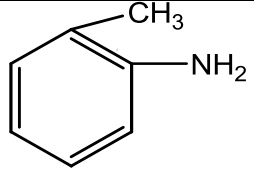
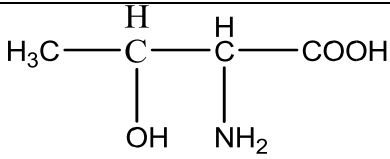
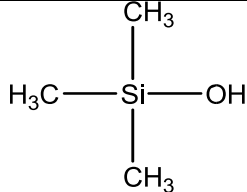
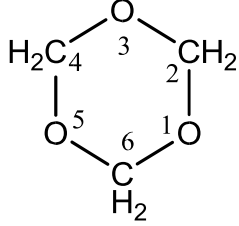
138	Piperedin			
139	Piperedin			
140	Piran			
141	Pirazin			
142	Pirazol			
143	Piridin			
144	piridinkarbon kislota			
145	Piridoksal			

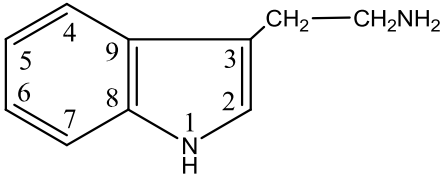
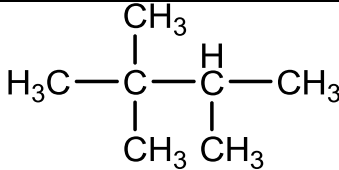
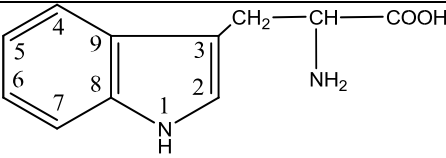
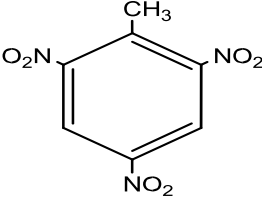
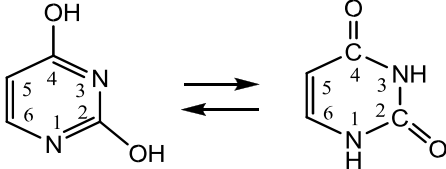
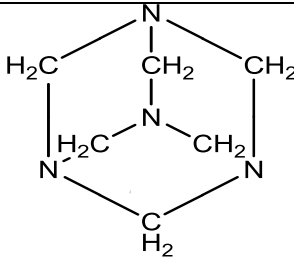
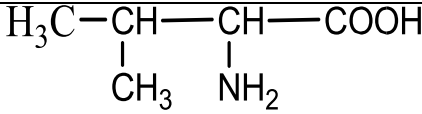
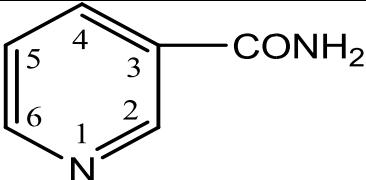
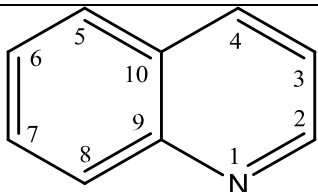
146	Piridoksamin			
147	Piridoksin (vitamin B6)			
148	Pirimidin			
149	Pirogallol			
150	Pirokatexin			
151	Pirrol			
152	Pirrolidin			
153	Pirrolin			

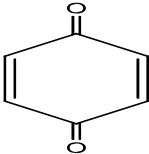
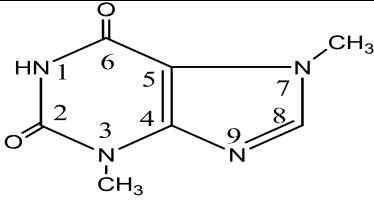
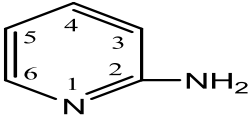
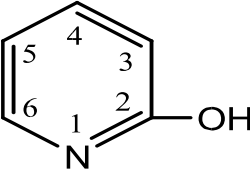
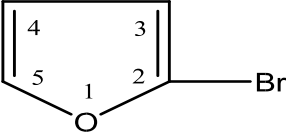
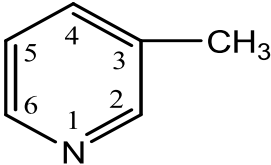
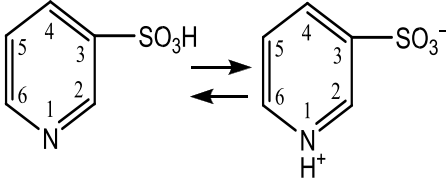
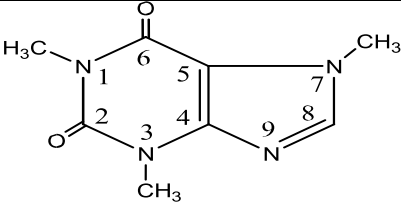
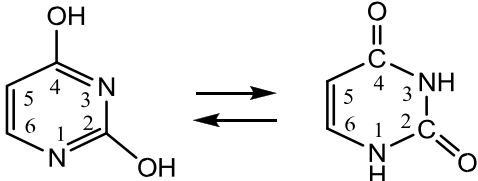
154	p-nitroza dietil anilin	-	-		
155	Prolin				
156	Purin				
157	Putressin (tetra metilen diamin)				
158	Qahrabo kislota				
159	Rezorsin				
160	Riboza				
161	Serin				
162	Seyze tuzi				
163	Shavel kislota	HOOC - COOH			
164	Shilliq (qand) kislota				

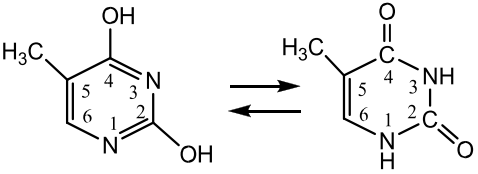
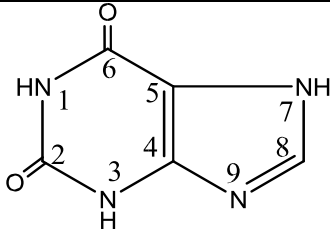
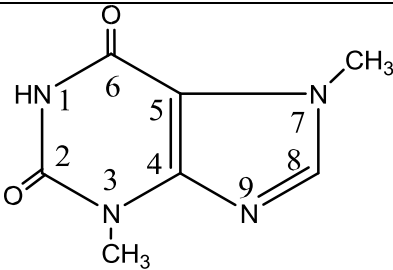
165	Sianat kislota	HOCN		
166	Siklo geksanon			
167	Sirka aldegni metil asetali	$\text{H}_3\text{C}-\text{CH} \begin{array}{l} \nearrow \text{OCH}_3 \\ \searrow \text{OCH}_3 \end{array}$		
168	Sirka kislota oksimi	CH_3CONH_2		
169	Sistein	$\text{HS}-\text{CH}_2-\underset{\text{NH}_2}{\overset{\text{H}}{\text{C}}}-\text{COOH}$		
170	Sistin	$\begin{array}{c} \text{NH}_2 \\ \\ \text{S}-\text{CH}_2-\text{CH}-\text{COOH} \\ \\ \text{S}-\text{CH}_2-\underset{\text{NH}_2}{\text{CH}}-\text{COOH} \end{array}$		
171	Sitozin			
172	Siydik kislota			
173	Stearin	$\text{CH}_3-(\text{CH}_2)_{16}-\text{COOH}$		
174	Stirol			
175	Sulfat efiri	$\text{R}-\text{SO}_3\text{H}$		

176	Sulfonil kislota	— O		
177	Sut kislota	$\begin{array}{c} \text{H}_3\text{C}-\text{C}-\text{COOH} \\ \\ \text{OH} \end{array}$		
178	teobromin			
179	Tereftal kislota			
180	Tetragidro furan TGF)			
181	Tetrametilen			
182	Tetrayod pirrol yodol			
183	Tiazin			
184	Tiazol			

185	Timin			
186	tiofelin			
187	Tiofen			
188	Tionil xlorid	SOCl ₂		
189	Tiopiran			
190	tirozin			
191	Toluidin			
192	Treonin			
193	Trimetilsilanol			
194	Trioksimetilen			

195	Triptamin			
196	Triptan			
197	Triptofan			
198	Trotil (tol) TNT			
199	Uratsil			
200	Urotropin			
201	Valin			
202	Vitamin PP			
203	Xinolin			

204	Xinon			
205	3,7 - dimetilksantin			
206	Yog'och spirti	CH ₃ OH		
207	α - aminopiridin			
208	α - oksipiridin			
209	α- brom furan			
210	β - metil piridin			
211	β -piridin sulfokislota			
212	1,3,7 - trimetilksantin			
213	2,4 – dioksi pirimidin			

214	5 - metil, 2,4 - dioksipirimidin			
215	2,6dioksipurin			
216	3,7 - dimetilksantin			
217	2,4 – dixlor fenoksisirka kislota			
218				
219				
220				

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