

Yakeen NEET 2.0 2025 (Legend)

Some Basic principles and Techniques (IUPAC Naming) Common Names of NCERT Organic Compounds

| S. No. | Compound | Common Name |
|--------|---|---------------------------|
| 1. | CH ₃ - CH- | Isopropyl- |
| | CH ₃ | |
| 2. | CH ₃ - CH ₂ - CH - | sec-Butyl- |
| | CH ₃ | · |
| 3. | 3 | Isobutyl- |
| 3. | $CH_3 - CH - CH_2 -$ | Isobuty1- |
| | CH ₃ | |
| 4. | CH ₃ | tert-Butyl- |
| | $CH_3 - C-$ | |
| | CH ₃ | |
| 5. | CH ₃ | Neopentyl- |
| | | |
| | $CH_3 - C - CH_2 -$ | |
| | CH ₃ | |
| 6. | H ₃ CCH ₂ CH ₂ CH ₃ | <i>n</i> -Butane |
| 7. | (H ₃ C) ₂ CHCH ₃ | Isobutane |
| 8. | (H ₃ C) ₄ C | Neopentane |
| 9. | CH ₄ | Methane |
| 10. | C_2H_4 | Ethylene |
| 11. | C ₂ H ₂ | Acetylene |
| 12. | C ₃ H ₄ | Methylacetylene |
| 13. | C ₄ H ₆ | Ethylacetylene |
| 14. | C_4H_6 | Dimethylacetylene |
| 15. | CH ₃ CH ₂ CH(Cl)CH ₃ | sec-Butyl chloride |
| 16. | (CH ₃) ₃ CCH ₂ Br | neo-Pentyl bromide |
| 17. | (CH ₃) ₃ CBr | tert-Butyl bromide |
| 18. | $CH_2 = CHC1$ | Vinyl chloride |
| 19. | $CH_2 = CHCH_2Br$ | Allyl bromide |
| 20. | Cl | o-Chlorotoluene |
| | CH ₃ | |
| 21. | CH ₂ Cl | Benzyl chloride |
| | | |
| 22. | CH ₂ Cl ₂ | Methylene chloride |
| 23. | CHCl ₃ | Chloroform |
| 24. | CHBr ₃ | Bromoform |
| 25. | CCl ₄ | Carbon tetrachloride |
| 26. | CH ₃ CH ₂ CH ₂ F | <i>n</i> -Propyl fluoride |



| 27. | H ₃ C – CH – Cl | Isopropyl chloride |
|-----|--|------------------------------------|
| | CH ₃ | |
| 28. | CH ₃ | Isobutyl chloride |
| | $H_3C-CH-CH_2CI$ | · |
| 29. | H ₃ C-CHCl ₂ | Ethylidene chloride (gem-dihalide) |
| 30. | H_2C-CH_2 | Ethylene dichloride (vic-dihalide) |
| | | Emprene diemoride (vie amande) |
| 31. | 2COCl ₂ | Phosgene |
| 32. | CH ₃ – OH | Methyl alcohol |
| 33. | CH_3 – CH_2 – CH_2 – OH | <i>n</i> –Propyl alcohol |
| 34. | $CH_3 - CH - CH_3$ | Isopropyl alcohol |
| | OH | |
| 35. | $CH_3 - CH_2 - CH_2 - CH_2 - OH$ | n-Butyl alcohol |
| 36. | CH ₃ -CH-CH ₂ -CH ₃ | sec–Butyl alcohol |
| | OH | |
| 37. | CH ₃ - CH - CH ₂ - OH | Isobutyl alcohol |
| | CH ₃ | |
| 38. | CH ₃ | tert-Butyl alcohol |
| | CH ₃ - C-OH | |
| | CH ₃ | |
| 39. | HO-H ₂ C-CH ₂ -OH | Ethylene glycol |
| 40. | CH ₂ - CH - CH ₂ | Glycerol |
| | OH OH OH | |
| 41. | CH ₃ OCH ₃ | Dimethyl ether |
| 42. | C ₂ H ₅ OC ₂ H ₅ | Diethyl ether |
| 43. | CH ₃ OCH ₂ CH ₂ CH ₃ | Methyl n-propyl ether |
| 44. | C ₆ H ₅ OCH ₂ CH ₃ | Ethyl phenyl ether (Phenetole) |
| 45. | $C_6H_5O(CH_2)_6 - CH_3$ | Heptyl phenyl ether |
| 46. | $CH_3O-CH-CH_3$ | Methyl isopropyl ether |
| | $ m CH_3$ | |
| 47. | $C_6H_5 - O - CH_2 - CH_2 - CH - CH_3$ | Phenyl Isopentyl ether |
| | CH ₃ | |
| 48. | НСНО | Formaldehyde |
| 49. | CH₃CHO | Acetaldehyde |
| 50. | (CH ₃) ₂ CHCHO | Isobutyraldehyde |
| 51. | H ₃ C CHO | γ-Methylcyclohexanecarbaldehyde |
| | | |



| 52. | CH ₃ CH(OCH ₃)CHO | α-Methoxypropionaldehyde |
|-----|---|---|
| 53. | CH ₃ CH ₂ CH ₂ CHO | Valeraldehyde |
| 54. | CH ₂ = CHCHO | Acrolein |
| 55. | CHO | Phthaldehyde |
| | СНО | |
| 56. | СНО | <i>m</i> -Bromobenzaldehyde |
| | | |
| | Br | |
| 57. | (H ₃ C) ₂ CO | Acetone |
| 58. | CH ₃ COCH ₂ CH ₂ CH ₃ | Methyl <i>n</i> –propyl ketone |
| 59. | (CH ₃) ₂ CHCOCH(CH ₃) ₂ | Diisopropyl ketone |
| 60. | ~ 0 | α-Methylcyclohexanone |
| | CH ₃ | |
| 61. | $(CH_3)_2C = CHCOCH_3$ | Mesityl oxide |
| 62. | НСООН | Formic acid |
| 63. | CH₃COOH | Acetic acid |
| 64. | CH₃CH₂COOH | Propionic acid |
| 65. | CH ₃ CH ₂ COOH | Butyric acid |
| 66. | (CH ₃) ₂ CHCOOH | Isobutyric acid |
| 67. | HOOC-COOH | Oxalic acid |
| 68. | HOOC-CH ₂ -COOH | Malonic acid |
| 69. | HOOC –(CH ₂) ₂ –COOH | Succinic acid |
| 70. | HOOC –(CH ₂) ₃ –COOH | Glutaric acid |
| 71. | HOOC-(CH ₂) ₄ -COOH | Adipic acid |
| 72. | HOOC -CH ₂ -CH(COOH)-CH ₂ -COOH | Tricarballylic acid or carballylic acid |
| 73. | НО-СН-СООН | Malic acid |
| | CH ₂ COOH | |
| 74. | Н СООН | Maleic acid |
| | | |
| | н С соон | |
| 75. | H COOH | Fumaric acid |
| 13. | C | Tumane acid |
| | C | |
| | HOOC | |
| 76. | CH ₃ O | Mesityl Oxide |
| | $CH_3 - C = CH - C - CH_3$ | |
| 77. | СООН | Benzoic acid |
| | | |
| 78. | CH ₂ COOH | Phenylacetic acid |
| | | |
| | | |



| 79. | СООН | Phthalic acid |
|-----|---|--|
| | COOL | |
| 80. | COOH | Terephthalic acid |
| 80. | | rerephthane acid |
| | COOH | |
| 81. | | Styrene |
| | | |
| 82. | $CH_3 - CH_2 - NH_2$ | Ethylamine |
| 83. | CH ₃ –CH ₂ –CH ₂ –NH ₂ | <i>n</i> -Propylamine |
| 84. | $CH_3 - CH - CH_3$ | Isopropylamine |
| | NH ₂ | |
| 85. | $CH_3 - N - CH_2 - CH_3$ | Ethylmethylamine |
| | H | |
| 86. | $CH_3 - N - CH_3$ | Trimethylamine |
| | | |
| 07 | CH ₃ | N. N. D. d. H. et l. |
| 87. | $C_2H_5 - N - CH_2 - CH_2 - CH_2 - CH_3$ | N, N–Diethylbutylamine |
| | C_2H_5 | |
| 88. | - | Allylamine |
| | $NH_2 - CH_2 - CH = CH_2$ | 1 22-y 24422200 |
| 89. | NH ₂ -(CH ₂) ₆ -NH ₂ | Hexamethylenediamine |
| 90. | NH ₂ | Aniline |
| | | |
| | | |
| 91. | NH ₂ | o-Toluidine |
| | CH ₃ | |
| | | |
| 92. | NH ₂ | <i>p</i> -Bromoaniline |
| | | |
| | | |
| | Br | |
| 93. | N(CH ₃) ₂ | N, N-Dimethylaniline |
| | | , , , , , , , , , , , , , , , , , , , |
| 1 | | |
| | | |
| 0.4 | | N. All. I. |
| 94. | O | N-Alkylphthalimide |
| 94. | | N-Alkylphthalimide |
| 94. | $ \begin{array}{c c} \hline O \\ \hline C \\ C \\ N-R \end{array} $ | N-Alkylphthalimide |
| 94. | | N-Alkylphthalimide Formamide |



| 96. | CH ₃ – CONH ₂ | Acetamide |
|------|---|---|
| 97. | $CH_3 - CH_2 - CONH_2$ | Propionamide |
| 98. | $CH_3 - O - N = O$ | Methylnitrite |
| 99. | CH ₃ CH ₂ -O-N=O | Ethylnitrite |
| 100. | $CH_3 - NH_2$ | Methylamine or Aminomethane |
| 101. | CH ₃ – CN | Methyl cyanide or Acetonitrile |
| 102. | $CH_3 - N^+ \equiv C^-$ | Methyl isocyanide or Methyl carbylamine |
| 103. | | Tropone |
| 104. | | Furan |
| 105. | S | Thiophene |
| 106. | | Pyridine |
| 107. | | Pyran |
| 108. | OMe | Anisole |
| 109. | $C \equiv N$ | Benzonitrile |
| 110. | NO ₂ | Nitrobenzene |
| 111. | CH ₃ CH ₃ CH CH CH CH | Cumene |
| 112. | Br | Bromobenzene |
| 113. | Br | <i>m</i> -Dibromobenzene |



| 114. | Br | sym-Tribromobenzene |
|------|---|----------------------------|
| | Br Br | |
| 115. | | Benzene |
| 116. | | Naphthalene |
| 117. | CH ₃ CH ₃ CH ₃ | Mesitylene |
| 118. | | Biphenyl |
| 119. | CH ₃ | Toluene |
| 120. | CH ₃ 1 2 CH ₃ | o-Xylene |
| 121. | CH ₃ CH ₃ CH ₃ | m-Xylene |
| 122. | CH ₃ 1 4 CH ₃ | p-Xylene |
| 123. | | Anthracene |
| 124. | | Phenanthrene |
| 125. | Cl Cl Cl Cl | Benzene hexachloride (BHC) |



| 126. | C1 | DDT |
|------|---|---------------------------|
| | | |
| | CI | |
| | Cl————————————————————————————————————— | |
| | Cl — H | |
| 127. | OH | Phenol |
| | | |
| 128. | CH ₃ | o-Cresol |
| | OH | |
| 129. | CH ₃ | m-Cresol |
| | | |
| | OH | |
| 130. | CH ₃ | p-Cresol |
| | | |
| | | |
| 131. | ÖН ОН | Catechol |
| | OH | |
| | | |
| 132. | OH | Resorcinol |
| | | |
| 133. | ОН ОН | Hydroquinone or quinol |
| 1001 | | 12) di oquimono di quimor |
| | | |
| | OH | |
| 134. | O_2N NO_2 | Picric Acid |
| | O_2N NO_2 | |
| | | |
| | NO_2 | |



| 135. | OH I | Salicylaldehyde |
|------|--|---|
| | CHO | |
| | | |
| 136. | ОН | Salicylic Acid |
| | O | |
| 137. | 0 | Benzoquinone |
| | | |
| | | |
| | O | |
| 138. | СНО | Vanillin |
| | | |
| | OCH ₃ | |
| 139. | ÖH ÇH = CHCHO | Cinnamaldehyde |
| | | |
| | | |
| 140. | СНО | Phthalaldeyde |
| | СНО | |
| 141. | OCOCH ₃ | Aspirin |
| 141. | СООН | Aspiiii |
| | | |
| 142. | ОН | Methyl salicylate (Oil of winter green) |
| | COOCH ₃ | |
| | | |
| 143. | CHO | Benzaldehyde |
| 144. | Br O | β-Bromobutyraldehyde |
| | $\begin{array}{c c} H_{3}C - \overset{ }{C}H - \overset{ }{C}H_{2} - \overset{ }{C} - H \\ \gamma & \beta & \alpha \end{array}$ | p 21011100 attylutatily at |
| 145. | ο Ο | Acetophenone |
| 143. | | Acciophenone |
| | CH ₃ | |
| | 🏏 | |



| 146. | O | Propiophenone |
|------|--|--|
| | CH ₃ | |
| | | |
| 147. | O | Benzophenone |
| | C | |
| | | |
| 148. | OSO ₂ Na | Bisulphite addition compound (Crystalline) |
| | OH | |
| 149. | 0 | Benzalacetophenone |
| | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | |
| 150. | OR' | Acetal |
| | R-CH OR' | |
| 151. | O_2N | <i>m</i> –Nitrobenzaldehyde |
| | СНО | |
| 152. | CONH ₂ | Benzamide |
| | | |
| 153. | O | Phthalimide |
| | NH NH | |
| | | |
| | Ö | |
| 154. | CONH ₂ | Phthalamide |
| | CONH ₂ | |
| 155. | C ₆ H ₅ -CH ₂ -Cl | Benzyl chloride |
| 156. | $N = N \longrightarrow NH_2$ | <i>p</i> -Amino azobenzene (Yellow dye) |
| 157. | $C_6H_5 - CH_2 - C \equiv N$ | Benzyl cyanide |
| 158. | $C_6H_5 - \ddot{N} - C - CH_3$ $H O$ | Acetanilide |
| 159. | N = N OH | <i>p</i> -Hydroxy azobenzene (Orange dye) |
| 160. | $C_6H_{12}O_6$ | Glucose/Fructose |



| 161. | СООН | Saccharic acid |
|--------------|--|-----------------------------|
| | (CHOH) ₄ | |
| | COOH | |
| 162. | СНО О | glucose pentaacetate |
| | $(\overset{\mid}{C}H-O-\overset{\parallel}{C}-CH_3)_4$ | |
| | $ \begin{array}{c cccc} CH_{2} & C & CH_{3}/4 \\ CH_{2} - O - C - CH_{3} \end{array} $ | |
| 162 | | Cuaraca |
| 163. 164. | $C_{12}H_{22}O_{11}$ $(C_6H_{10}O_5)_n$ | Sucrose Starch or cellulose |
| 165. | (C ₆ 11 ₁₀ O ₅) _n CHO | Glyceraldehyde |
| 105. | Н—ОН | Glyceraidenyde |
| | CH ₂ OH | |
| 166. | СООН | Gluconic acid |
| | (CHOH) ₄ | |
| | CH ₂ OH | |
| 167. | R - CH - COOH | α-amino acid |
| 107. | | u-animo acid |
| | NH ₂ | |
| 168. | NH ₂ | Adenine (A) |
| | HC II I | |
| | N/C N/CH | |
| 1.60 | Н | |
| 169. | O N C | Guanine (G) |
| | HC NH | |
| | NC NC NH | |
| 170 | H - | |
| 170. | NH ₂ | Cytosine (C) |
| | HC N | |
| | HC̈\N∕Ċ\O | |
| 171. | Н | Thymine (T) |
| 1/1. | H ₃ C C | Thymme (1) |
| | C NH | |
| | HC N CO | |
| 172. | H Q | Uracil (U) |
| | HC NH | |
| | HC NII HC NI/CSO | |
| | H H | |
| L | | |



| 173. | | 1, 2–Benzanthracene |
|------|---------------------------------|-----------------------------------|
| 174. | H_3C | 3-Methylcholanthrene |
| 175. | | 1, 2–Benzpyrene |
| 176. | | 1, 2, 5, 6–Dibenzanthracene |
| 177. | CH ₃ CH ₃ | 9, 10–Dimethyl–1,2–benzanthracene |

