

Name	Complete structural formula	Line formula	Condensed structural formula	Mol. form
1) butane			CH ₃ CH ₂ CH ₂ CH ₃	C ₄ H ₁₀
2) heptane			CH ₃ (CH ₂) ₅ CH ₃	C ₇ H ₁₆
3) 2-fluorooctane			CH ₃ CHF(CH ₂) ₅ CH ₃	C ₈ H ₁₇ F
4) 3-iododecane			CH ₃ CH ₂ CHI(CH ₂) ₆ CH ₃	C ₁₀ H ₂₁ I
5) 1,1,1-tribromo-2,2-difluoropropane			CBr ₃ CF ₂ CH ₃	C ₃ H ₃ Br ₃ F ₂
6) 2-chloro-1-fluoropentane			CH ₂ FCHCl(CH ₂) ₂ CH ₃	C ₅ H ₁₀ ClF
7) 1,2,4-tribromobutane			CH ₂ BrCHBrCH ₂ CH ₂ Br	C ₄ H ₇ Br ₃
8) 1-iodo-3-methyloctane			CH ₃ (CH ₂) ₄ CH(CH ₃)CH ₂ I	C ₉ H ₁₉ I
9) nonane			CH ₃ -(CH ₂) ₇ -CH ₃	C ₉ H ₂₀
10) 4-bromo-2-fluorohexane			CH ₃ -CHF-CH ₂ -CHBr-CH ₂ -CH ₃	C ₆ H ₁₂ FBr
11) 4,5,7-trimethyldecane			CH ₃ (CH ₂) ₂ CH(CH ₃)CH(CH ₃)CH ₂ CH(CH ₃)(CH ₂) ₂ CH ₃	C ₁₃ H ₂₈
12) ethane		/	CH ₃ -CH ₃	C ₂ H ₆
13) 2,3-difluoropentane			CH ₃ CHFCHFCH ₂ CH ₃	C ₅ H ₁₀ F ₂
14) 1,1,1-tribromo-2-fluorooctane			CBr ₃ CHF(CH ₂) ₄ CH ₂ CH ₃	C ₈ H ₁₄ Br ₃ F
15) methane	CH ₄	N/A	CH ₄	CH ₄

Name	Complete structural formula	Line formula	Condensed structural formula
1) 3-fluoro,1-butene			$\text{CH}_2=\text{CHCHFCH}_3$
2) 2-heptene			$\text{CH}_3\text{CH}=\text{CH}(\text{CH}_2)_3\text{CH}_3$
3) 2,3-difluoro-1-pentene			$\text{CH}_2=\text{CFCHFCH}_2\text{CH}_3$
4) 6-iodo,4-methyl-2-decyne			$\text{CH}_3\text{C}\equiv\text{C}-\text{CH}(\text{CH}_3)\text{CH}_2\text{CHI}(\text{CH}_2)_3\text{CH}_3$
5) 4,4-dibromo-1,2-butandiol			$\text{CH}_2(\text{OH})-\text{CH}(\text{OH})-\text{CH}_2-\text{CHBr}_2$
6) 4-chloro-5-fluoro-2-pentene			$\text{CH}_2\text{FCHClCH}=\text{CHCH}_3$
7) 1,1,2-tribromoethene			$\text{CHBr}=\text{CBr}_2$
8) 1-butyne			$\text{CH}\equiv\text{CCH}_2\text{CH}_3$
9) 2-nonyne			$\text{CH}_3\text{C}\equiv\text{C}(\text{CH}_2)_5\text{CH}_3$
10) 5-fluoro-3-bromo-2-hexene			$\text{CH}_3\text{CH}=\text{CBrCH}_2\text{CHFCH}_3$
11) 2-chloro-4-heptanol			$\text{CH}_3(\text{CH}_2)_2\text{CH}(\text{OH})\text{CH}_2\text{CHClCH}_3$
12) 2-bromopropene			$\text{CH}_2=\text{CBrCH}_3$
13) 3,4-difluoro-1-pentyne			$\text{CH}_3\text{CHFCHFC}\equiv\text{CH}$
14) 1,1-dibromo-2-fluoro-1-octanol			$\text{C}(\text{OH})\text{Br}_2\text{CHF}(\text{CH}_2)_4\text{CH}_2\text{CH}_3$
15) 4-nonene			$\text{CH}_3(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_2\text{CH}_3$