

Alkenes and Alkyens

1. Draw the correct structure for the following compounds:

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| <p>a. 4-ethyl-2-methyl-2-hexene
 b. 2,5-dimethyl-2-hexene
 c. 2-chloro-3-methyl-1-butene
 d. 2,4,4-trimethyl-1-pentene
 e. 3-ethyl-2-pentene
 f. 6-methyl-3-octene
 g. 2,3-dibromopropene
 h. 3-cyclopropyl-2-pentene
 i. 3-heptyne
 j. 3-ethyl-5-propyl-2-nonyne
 k. 2,3,4-trimethyl-1,3,5-hexatriene
 l. 2-bromo-4-chloro-2,3-pentadiene
 m. 1,3-cyclooctadiyne
 n. 4,5-dinitro-2,3,6-heptatriene
 o. 1-heptene
 p. 1-bromo-3-methylcyclohexene</p> | <p>q. 3-ethyl-2-pentene
 r. 1-bromo-6-methylcyclohexene
 s. <i>cis</i>-3-octene
 t. <i>trans</i>-1,4-dichloro-2-butene
 u. 3-methyl-2-hexene
 v. 3-chloro-2-hexene
 w. <i>trans</i>-1-isopropenyl-3-methylcyclohexane
 x. 1-octyne
 y. 2-octyne
 z. 3-octyne
 aa. 4-octyne
 bb. 2,5-dimethyl-3-hexyne
 cc. 4-ethyl-1-hexyne
 dd. 3-ethyl-3-methyl-1-pentyne</p> |
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2. Provide the correct IUPAC name for each of the following:

