

問1 次の化学英語を和訳せよ。

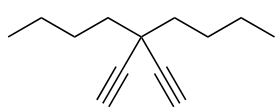
- (1) steric hindrance (2) halogenation (3) double bond (4) catalyst (5) stopper
(6) element (7) base (8) reactivity (9) extraction (10) side reaction

問2 次の英文を和訳せよ。

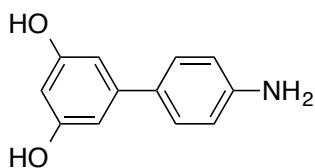
- (1) One of the most familiar compounds of carbon is methane, CH_4 , the main component of natural gas.
(2) In these compounds, each carbon atom is bound to four atoms in a tetrahedral fashion.
(3) Alkanes in which the carbon atoms form long “strings” or chains are called normal, straight-chain, or unbranched hydrocarbons.
(4) Give the molecular formulas for the alkanes with ten and fifteen carbon atoms.
(5) Because there are literally millions of organic compounds, it would be impossible to remember common names for all of them.
(6) The first four members of the alkane series are called methane, ethane, propane, and butane.

問3 次の化合物を英語で命名せよ。ただし、特性基が主基となるための順位は、カルボン酸>エステル>アルデヒド>ケトン>アルコール>チオール>アミンの順である。

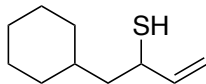
(1)



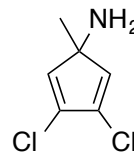
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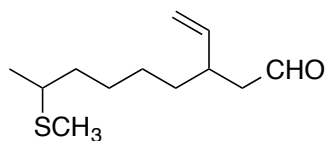
(3)



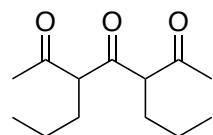
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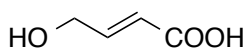
(5)



(6)



(7)



問4 次の名前の化合物の構造を記せ。

4-(2-ethenyl-4,7-dihydroxyocta-2,5-dienyl)-9-(2,3,5,5-tetrabromocyclohex-3-enyl)anthracene-2,7-diol