ACS Examination guide (Selected Questions)

Organic Chemistry

Nomenclature

1. What is the IUPAC names for this compound?

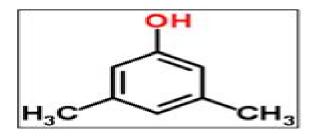
- a) 1-tert-butyl-2-butanol
- b) 5,5-dimethyl-3-hexanol
- c) 2,2-dimethyl-4-hexanol
- d) 1,1,1-trimethy-3-pentanol

4. What is the IUPAC name for this structure?

- a) 3-bromo-4-methylheptanone
- b) 5-bromo-4-methylheptanone
- c) 5-bromo-4-methyl-3-heptanone
- d) 3-bromo-4-methyl-5-heptanone

9. What is the IUPAC name of this compound?

- a) m-hydroxy-m-xylene
- b) 3,5-dimethylphenol
- c) 2,4-dimethyl-6-hydroxybenzene
- d) 3-hydroxy-5-methyltoluene



Answer: 1, b; 4, c; 9, b.

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JA Banks

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