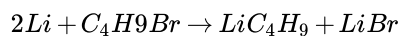


9.5: Chapter 5

5.1



5.2

Because six ether oxygen atoms of a benzene-soluble crown ether (e.g. 18-dibenzo-crown-6) in a cyclic arrangement coordinate to potassium cation K^+ .

5.3

Two methyl groups in the dimeric $Al_2(CH_3)_6$ bridge two aluminum atoms to form formally 8 covalent bonds requiring 16 electrons. The compound is called electron-deficient because only 12 six electrons are supplied from two aluminum atoms (6) and six methyl groups (6).

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