

Kerr constants and steric structure of acetylenic thio- and selenoethers

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Abstract

1. The axes of the polarizability ellipoids of the Csp-S and Csp-Se bonds were determined. 2. The steric structure of a number of acetylenic thio- and selenoethers $p\text{-XC}_6\text{H}_4\text{E-C}\equiv\text{CC}_6\text{H}_5$ was studied. The benzene ring attached to the triple bond is located in the plane of the $\{\text{Mathematical expression}\}$ bonds, while the aromatic fragment attached to the heteroatom (S or Se) lies outside this plane by $\sim 30\text{-}40^\circ$. © 1979 Plenum Publishing Corporation.

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