

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1976 vol.25 N1,
pages 86-89

Anisotropy of the polarizability and steric structure of arylvinyl selenides and arylvinyl sulfides

Vul'fson S., Teitel'baum A., Mannafov T., Vereshchagin A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. Molecules of arylvinyl selenides have a maximally conjugated planar s-trans structure, 2. The conformations of arylvinyl sulfides are determined by the ratio of the energies of conjugation and steric repulsion of atoms; the disturbance of coplanarity occurs on account of rotation of the aryl radicals. © 1976 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00925624>
