

Anisotropy of polarizability of the silatranes

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Abstract

1. Polarizability parameters have been determined for the Si-C and Si-O bonds. The Si-O bond of the siloxanes does not show axial symmetry. 2. The axes of the molecular polarizability ellipsoid for 1-methylsilatrane have been determined. 3. The transannular N → Si bond shows a pronounced anisotropy of polarizability in the silatranes. © 1977 Plenum Publishing Corporation.

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