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## Polarity and structure of silatranes with planar fragments

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### Abstract

The structure of silatranes  $N[CH_2(RMeC_6H_2)O]_3SiR_1$  with planar fragments in six-membered semi-rings was established by the methods of dipole moments and density functional theory calculations. They are endo-structures with transannular interaction  $N \rightarrow Si$  in which the oxygen atoms located adjacent to the silicon participate besides the nitrogen and silicon atoms.

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### Keywords

Density functional theory, Dipole moments, Silatranes, Transannular interaction