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Geometric structures of phosphorus-containing heterocycles - 22. Pyrocatechol derivatives of phosphorous acid

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Abstract

1. Dipole moments, Kerr constants, and bond polarity and polarizability parameters for phosphorus have been determined for various pyrocatechol derivatives of phosphorous acid. 2. The pyrocatecholaryl phosphites have envelop conformation with gauche-axial oriented OCH₃ group. 3. Data on the Kerr effect has been used to calculate the angle of rotation of the plane of the benzene ring relative to the plane of the P-O-C bond in the pyrocatecholaryl phosphites. © 1980 Plenum Publishing Corporation.

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