Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1975 vol.24 N3, pages 572-573

Electronic and steric interactions in molecules of some aromatic dimethylamino derivatives

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Abstract

1. The additive scheme is applicable to calculating the Kerr constant and dipole moment of m-nitrodimethylaniline. 2. For 4-nitro-2-dimethylamlnotoluene the rotation of the (CH3)2N group relative to the {Mathematical expression} bond away from the CH3 substituent is coupled with an increase in the pyramidal nature of the nitrogen. © 1975 Plenum Publishing Corporation.

http://dx.doi.org/10.1007/BF00927479