

Polarizability anisotropy and spatial structures of aryl cyanates

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Abstract

1. The polarizability parameters of the cyanate group have been determined. 2. Phenyl cyanate and p-methoxyphenyl cyanate possess a planar, and p-chloro-p-bromo-, and nitrophenyl cyanates possess a nonplanar, conformation in solutions. Effects of α -electron interactions have evidently a significant influence on the nature of the conformations realized. © 1982 Plenum Publishing Corporation.

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