



Non-linear dielectric effect in 1,2-dipyridylethylenes.

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Rok wydania

1993

Czasopismo

Journal of Molecular
Structure

Numer woluminu

296

Strony

111-114

DOI

10.1016/0022-
2860(93)80124-E

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

The non-linear dielectric effect in dilute solutions of some *trans*-dipyridylethylenes was investigated. A positive non-linear dielectric effect was found for 1-(2-pyridyl)-2-(2-pyridyl)ethylene and 1-(3-pyridyl)-2-(3-pyridyl)-ethylene, and a negative effect for 1-(2-pyridyl)-2-(3-pyridyl)ethylene, 1-(3-pyridyl)-2-(4-pyridyl)ethylene and 4-styrylpyridine. The results indicated simultaneous overall reorientation and internal reorientation of the pyridyl rings about the C-C axis. The free energy of internal rotation was calculated based on Piekara's model.

Adres publiczny

[https://doi.org/10.1016/0022-2860\(93\)80124-E](https://doi.org/10.1016/0022-2860(93)80124-E)

Strona internetowa wydawcy

<http://www.elsevier.com>