

1987

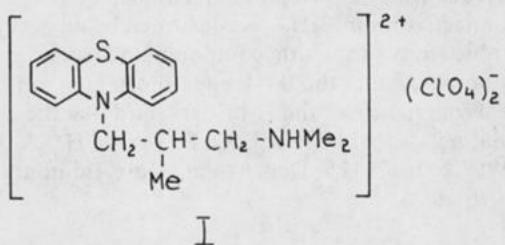
Physical Properties

Structure

K 9000

8735-057

Crystal and Molecular Structure of the Alimemazine Cation Radical. — The alimemazine (trimeprazine) cation radical salt (**I**) has $Z = 2$ (no space group given). — (APREDA, M. C.; CANO, F. H.; FOCES-FOCES, C.; LÓPEZ-RUPÉREZ, F.; CONESA, J. C.; SORIA*, J.; *J. Chem. Soc., Perkin Trans. II* 1987, 5, 575—79; Inst. Catal. Petroleoquím., C.S.I.C., 28006 Madrid, Spain; Eng.) — Boroffka

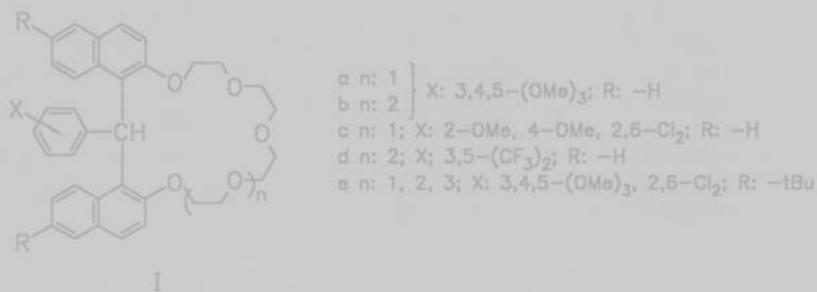


Structure

K 9000

8735-058

Structure and Dynamics of Crowns Containing the Phenyldinaphthylmethane Subunit (a Three-Bladed Propeller): Observations of Correlated Rotation of the Propeller Blades and Certain Ether Segments. — Following a previously published method the crowns (**I**) are prepared from the respective benzylidene-bis(2-naphthol) in THF, NaH, and the appropriate α,ω -bis(tosyloxy)-polyoxaalkane in THF (20 h reflux; no yields given). The torsional propeller movement is fluxional at room temp. on the NMR time scale for some crowns, with ΔG of ca. 10—11 kcal/mol, while for others (regarded as locked propellers at room temp.), ΔG is ca. 19 kcal/mol. X-ray crystal structures of (**Ia**) ($P2_1/n$ with $Z = 4$) and of the KSCN salt of (**Ib**) ($P2_1/c$ with $Z = 4$) are described. — (LOCKHART*, J. C.; McDONNELL, M. B.; CLEGG, W.; HILL, M. N. S.; *J. Chem. Soc., Perkin Trans. II* 1987, 5, 639—49; Dep. Inorg. Chem., Univ. Newcastle upon Tyne, Newcastle upon Tyne, NE1 7RU, UK; Eng.) — Boroffka



Structure

K 9000

8735-059

Shortened C—C Bonds and Antiplanar O=C—O—H Torsion Angles in 1,4-Cubane-dicarboxylic Acid [I**], space group $P2_1/n$ with $Z = 4$.** — (ERMER*, O.; LEX, J.; *Angew. Chem. 99* (1987) 5, 455—56; Inst. Org. Chem., Univ., D-5000 Köln 41; Ger.) — Boroffka

