

**Carbon-13 NMR lanthanide-induced shift study of some D:A-friedooleananes.** Wazeer, Mohammed I. M.; Kumar, Vijaya; Weeratunga, Gamini; Wijeratna, Dharmassree B. T. Dep. Chem., Univ. Petrol. Miner., Dhahran, Saudi Arabia. Australian Journal of Chemistry (1984), 37(12), 2571-5.

### Abstract

C-13 NMR assignments for friedooleananes I ( $R, R^1, R^2, R^3 = HO, H, Me, H; H, HO, Me, H; H, H, HOCH_2, H; H, H, CHO, H; R^4 = H_2, O$ ) were detd. Lanthanide-induced shifts of the hydroxy compds. indicate that oxygenation in the vicinity of ring E in these mols. does not affect the chair-twistboat-boat conformation proposed for D:A-friedooleananes.

