PHYTOSTEROLS FROM DOMBEYA TORRIDA (J. F. GMEL)


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Abstract

Dombeya torrid collected from Kinale forest in Kiambu county, Kenya, was soxhlet extracted with chloroform and by percolation using dichloromethane:methanol mixture. The extracts were fractionated using normal phase silica in an open column. Five compounds were isolated namely friedelin, friedelan-3β-ol, β-sitosterol, taraxerol and stigmasterol. This is the first report of isolation of these compounds from Dombeya torrid. The isolated compounds were identified by means of $^1$H-NMR, $^2$C-NMR, DEPT, MS and IR analyses.

Keywords: Dombeya torrida, friedelan-3β-ol, β-sitosterol, stigmasterol and taraxerol.