

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, friedelin-3 β -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 $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, DEPT, MS and IR analyses.

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