

Polar secondary metabolites of *Ferula persica* roots

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Abstract: Phytochemical investigation of the methanolic extract of the dried roots of *Ferula persica* resulted in four sesquiterpene coumarin glycosides, persicaosides A-D, and two known phytosterol glucosides, sitosterol 3-O-beta-glucoside and stigmasterol 3-O-beta-glucoside. The structures of these compounds were elucidated by extensive spectroscopic methods including ¹D-(H-1) and C-13) and ²D NMR experiments (DQF-COSY, HSQC, HMBC, and ROESY) as well as ESIMS and TOFMS analyses. (C) 2007 Elsevier Ltd. All rights reserved.

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