

Diversolidides A-G, guaianolides from the roots of *Ferula diversivittata*

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Abstract: Seven sesquiterpene lactone derivatives, diversolidides A-G (1-7), together with two known compounds, diversin (8) and stigmasterol, were isolated from the roots of *Ferula diversivittata*. The structures of these compounds were elucidated by extensive spectroscopic methods including ¹D-((¹H and (¹³C) and ¹D-NMR experiments (DQF-COSY, HSQC, HMBC, and NOESY) as well as high-resolution ELMS. Compounds 1, 4 and 6-8 were tested for their in vitro antifungal and antibacterial activities. Some of the tested compounds showed moderate antifungal and antibacterial activities with minimum inhibitory concentration (MIC) values from 40 to 80 µg/ml. (C) 2008 Elsevier Ltd. All rights reserved.

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