

Publication

## A nor-diterpene from *Salvia sahendica* leaves

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Phytochemical investigation of n -hexane extract of *Salvia sahendica* by normal phase column chromatography resulted in the isolation of six compounds. Structures were established by 1D and 2D NMR spectroscopy, and HRMS, as a new norditerpene **1** , and known terpenoids, sclareol ( **2** ), oleanolic acid ( **3** ), Îš-sitosterol ( **4** ), salvigenin ( **5** ) and 3 Îš -hydroxy-11 Îš ,12 Îš -epoxyoleanan-28,13 Îš -olide ( **6** ). The absolute configuration of **1** was confirmed by a combination of X-ray single crystal analysis and electronic circular dichroism spectroscopy. In vitro cytotoxic activity on breast cancer cell line (MDA-MB-231) and also the antimicrobial activity of the pure compounds were tested against *Staphylococcus aureus* , *Bacillus cereus* and *Escherichia coli*.

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