

Isolement and Identification of Major Constituents from Essential Oil of *Launaea nudicaulis*

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Abstract : *Launaea nudicaulis* (L.) Hook.f. is a desert, spontaneous plant and endemic to northern Sahara, which belongs to the Asteraceae family. This species exists in the region of Bechar (Local name; El-Rghamma). In our knowledge, no work has been founded, except studies showing the antimicrobial and antifungal activity of methanolic extract of this plant. The present paper describes the chemical composition of the essential oil from *Launaea nudicaulis* and qualification of isolation and identification of some pure products by column chromatography. The essential oil from the aerial parts of *Launaea nudicaulis* (Asteraceae) was obtained by hydrodistillation in 0.4% yield, led to isolation of four several new products. The isolation is made by column chromatography and followed by GC-IR and GC-MS analysis.

Keywords : *Launaea nudicaulis*, asteraceae, essential oil, column chromatography, GC-FID, GC-MS

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