Crotasteroiridocin: A New Steroiridoid from *Crotalaria emarginella* and its *anti*-Inflammatory Activity

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The aerial parts of *Crotalaria emarginella* Vatke (Leguminosae) have afforded a new steroid-iridoid, characterized as 1'-hydroxy-isoiridomyrmecinyl- 1'-O-β-3-O-α-stigmast-5-ene, designated as crotasteroiridocin (**1**), which shows a unique combination of iridoid and sterol units, found very rarely in nature. Furthermore, a rare iridoid glucoside namely, *bis*-desoxy-dihydro-monotropein (**2**) has also been isolated from the aerial parts of the plant. The structures of the isolated products were elucidated on the basis of spectral and chemical studies. The *anti*-inflammatory activity has also been screened, wherein compounds **1** and **2** have shown 25.92% and 28.39% activity respectively, with respect to phenyl butazone against carrageenan employing the rat paw method.

Key words: Crotalaria emarginella Vatke, Sterol-Iridoid, Crotasteroiridocin, Iridoid Glucoside