

New labdane-type diterpenoids from *Leonurus heterophyllus* Sw.

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Abstract: Five new natural labdane-type diterpenoids (5-9), designated leoheteronins A-E, together with four known diterpenoids (1-4), two phytosterols as a mixture of β -sitosterol and stigmasterol, and the flavone genkwanin (10) were isolated from the aerial parts of *Leonurus heterophyllus* SW. (Lamiaceae) collected in northern Vietnam. Compound 1 was isolated for the first time from a *Leonurus* species, and 10 is considered to be a chemotaxonomic marker of the *Leonurus* genus. Their structures were determined using spectroscopic analyses. ?? 2005 Pharmaceutical Society of Japan.

Author Keywords: Labdane; Lamiaceae; *Leonurus heterophyllus*

Index Keywords: diterpene; diterpenoid; flavone; genkwanin; labdane; leoheteronin; *Leonurus heterophyllus* extract; phytosterol; plant extract; sitosterol; stigmasterol; unclassified drug; angiosperm; article; chemical structure; chemotaxonomy; drug isolation; *Leonurus*; *Leonurus heterophyllus*; plant identification; spectroscopy; Viet Nam; Chromatography, High Pressure Liquid; Diterpenes; *Leonurus*; Magnetic Resonance Spectroscopy; Spectrophotometry, Infrared

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Chemicals/CAS: flavone, 525-82-6; genkwanin, 437-64-9; sitosterol, 19044-06-5, 83-46-5; stigmasterol, 83-48-7; Diterpenes

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