

New bis-spirolabdane-type diterpenoids from *Leonurus heterophyllus* Sw.

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Abstract: Twelve natural bis-spirolabdane-type diterpenoids, including eight new, named leoheteronones A-E (3, 6, 8, 9, 11), 15-epileoheteronones B (7), D (10), and E (12), and four known leopersin B (1), 15-epileopersin B (2), leopersin C (4), and 15-epileopersin C (5), together with hispanone (13) and galeopsin (14) were isolated from the aerial parts of the medicinal plant *Leonurus heterophyllus* Sw. (Lamiaceae) grown in Vietnam. Their structures were determined by spectroscopic analyses. The current study emphasized the accumulation of C-15 oxygenated bis-spirolabdane-type diterpenoids of both 13R and 13S configurations in *L. heterophyllus*. © 2005 Pharmaceutical Society of Japan.

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