

Chemical constituents isolated from *Gymnema latifolium* Wall.ex Wight.

Tran Van On¹, Pham Ha Thanh Tung¹, Nguyen Ngoc Hieu², Nguyen Thi Ai Nghia³, Nguyen Huu Duc⁴

¹Hanoi University of Pharmacy,² College of Pharmacy - Seoul National University, Republic of Korea, ³Hue University of Medicine and Pharmacy, ⁴Ho Chi Minh City University of Medicine and Pharmacy

Summary: Our previous studies pointed out that *Gymnema latifolium* Wall. Ex Wight is a potential medicinal plant with anti-diabetes activities. This study was conducted to investigate the chemical composition of this plant for further standardization and development. Consequently, one new oleanane-type triterpene Gymnemoside G (**1**) together with 8 known compounds including (**2**) Gymnemic acid I, (**3**) Gymnemic acid IV, (**4**) 3 β -acetoxy – 22,23,24,25,26,27 – hexanordammaran – 20 – one, (**5**) Lupeol acetate, (**6**) Stigmasterol, (**7**) Kaempferol 3-O- α -rhamnopyranosyl (1 \rightarrow 6)- β -galactopyranoside, (**8**) Kaempferol 3-O-rutinoside and (**9**) Isorhamnetin 3-O-rutinoside were isolated. Their structures were identified by nuclear magnetic resonance (NMR), mass chromatography (MS) and other spectroscopic techniques.