

C-Glycosyl Flavones from *Clinacanthus nutans*

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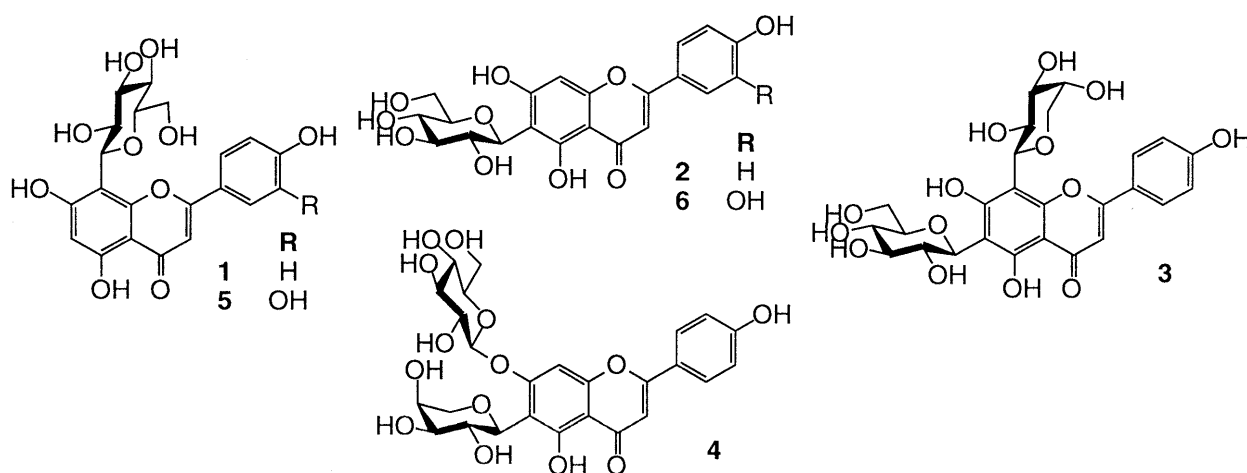
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*Clinacanthus nutans* (Burm. f.) Lindau. (Acanthaceae), is an important herbal medicine in Thailand (Thai name: Phayaa yo) and China (Chinese name: 青箭), and is used as an anti-hepatitis and anti-herpes agent.<sup>1)</sup> Until now, there was no report on the constituents of this plant.

From the BuOH soluble portion of a MeOH extract of the stems and leaves (1.0 kg) of *C. nutans*, collected in Thailand, six compounds (**1–6**) were isolated by repeated column chromatography followed by MPLC in the yields of

74, 6, 696, 43, 28 and 21 mg, respectively. On the basis of the spectral data, the structures of **1–6** were identified as vitexin, isovitexin, shaftoside, isomollupentin 7-*O*- $\beta$ -glucopyranoside, orientin and isoorientin previously isolated from Verbenaceae,<sup>2)</sup> Passifloraceae,<sup>3)</sup> Caryophyllaceae,<sup>4)</sup> Caryophyllaceae<sup>5)</sup> and Polygonaceae<sup>6)</sup> respectively. Although all of them are known compounds, this is the first report of these compounds from this genus. It is to be noted that all these flavonoids are rather unusual C-glycosides.



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