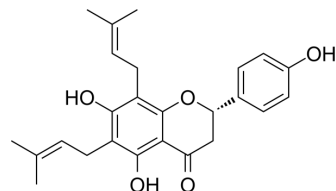


## 6,8-Diprenylnaringenin

Cat. No.:	HY-122416
CAS No.:	68236-11-3
Molecular Formula:	C <sub>25</sub> H <sub>28</sub> O <sub>5</sub>
Molecular Weight:	408.49
Target:	BCRP
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

6,8-Diprenylnaringenin (Lonchocarpol A; Senegalensin), a hop prenylflavonoid, is an inhibitor of breast cancer resistance protein (BCRP/ABCG2). 6,8-Diprenylnaringenin inhibits ABCG2-mediated efflux of Mitoxantrone, and <sup>3</sup>H-Methotrexate transport (IC<sub>50</sub>=0.41 μM) in HEK293 cells. 6,8-Diprenylnaringenin exhibits some estrogenicity, but its potency is less than 1% of that of 8-Prenylnaringenin<sup>[1][2]</sup>.

### REFERENCES

- [1]. Milligan SR, et al. The endocrine activities of 8-prenylnaringenin and related hop (*Humulus lupulus* L.) flavonoids. *J Clin Endocrinol Metab.* 2000 Dec;85(12):4912-5.
- [2]. Tan KW, et al. Hop-derived prenylflavonoids are substrates and inhibitors of the efflux transporter breast cancer resistance protein (BCRP/ABCG2). *Mol Nutr Food Res.* 2014 Nov;58(11):2099-110.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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