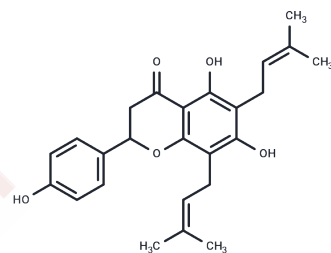


6,8-Diprenylnaringenin

Chemical Properties

CAS No. :	68236-11-3
Formula:	C ₂₅ H ₂₈ O ₅
Molecular Weight:	408.49
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	6,8-Diprenylnaringenin (Senegalensin) is a natural product from hop <i>Humulus lupulus</i> . 6,8-Diprenylnaringenin is a breast cancer resistance protein (BCRP) inhibitor with some estrogenicity.
Targets(IC50)	BCRP, ABC Transporter
In vitro	6,8-Diprenylnaringenin inhibits ABCG2-mediated efflux of Mitoxantrone, and 3H-Methotrexate transport with an IC ₅₀ of 0.41 μM in HEK293 cells[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.448 mL	12.2402 mL	24.4804 mL
5 mM	0.4896 mL	2.448 mL	4.8961 mL
10 mM	0.2448 mL	1.224 mL	2.448 mL
50 mM	0.049 mL	0.2448 mL	0.4896 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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.
- 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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