

Product Data Sheet

Product Name: 4-Hydroxyderricin

Cat. No.: GC60519

Chemical Properties

Cas. No. 55912-03-3

SMILES O=C(C1=CC=C(OC)C(C/C=C(C)\C)=C1O)/C=C/C2=CC=C(O)C=C2

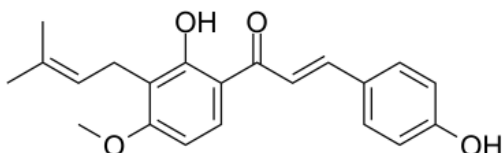
Formula $C_{21}H_{22}O_4$ M.Wt 338.4

Solubility DMSO : 100 mg/mL (295.51 mM; Need ultrasonic) Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

4-Hydroxyderricin, the major active ingredients of *Angelica keiskei* Koidzumi, is a potent selective MAO-B (Monoamine oxidase inhibitors) inhibitor with an IC₅₀ of 3.43 μM. 4-Hydroxyderricin also mildly inhibits DBH (dopamine β-hydroxylase) activity. 4-Hydroxyderricin has antidepressant activity[1].

[1]. Kim JH, et al. Xanthoangelol and 4-Hydroxyderricin Are the Major Active Principles of the

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

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Inhibitory Activities against Monoamine Oxidases on Angelica keiskei K. Biomol Ther (Seoul). 2013 May 30;21(3):234-40.

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