

Product Data Sheet

Product Name: (-)-Maackiain

Cat. No.: GC34946

Chemical Properties

Cas. No. 2035-15-6

SMILES OC1=CC=C([C@@]2([H])[C@@](C3=C(C=C4C(OCO4)=C3)O2)([H])CO5)C5=C1

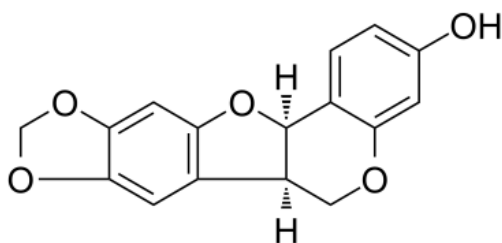
Formula $C_{16}H_{12}O_5$ M.Wt 284.26

Solubility DMSO : 100 mg/mL (351.79 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

(-)-Maackiain is a pterocarpan phytoalexin produced from Red clover (*Trifolium pretense* L.). (-)-Maackiain is toxic to several genera of fungal pathogens of legume and non legume hosts[1].

[1]. ScottSoby, et al. Detoxification of the phytoalexins maackiain and medicarpin by fungal pathogens of alfalfa. *Phytochemistry*. 1996 Feb;14(3):759-765.

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

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