

Product Data Sheet

Product Name: Isorosmanol

Cat. No.: GC36340

Chemical Properties

Cas. No. 93780-80-4

SMILES O=C1O[C@]2([H])C3=C(C(O)=C(O)C(C(C)C)=C3)[C@@]41CCCC(C)(C)[C@]4([H])[C@H]2O

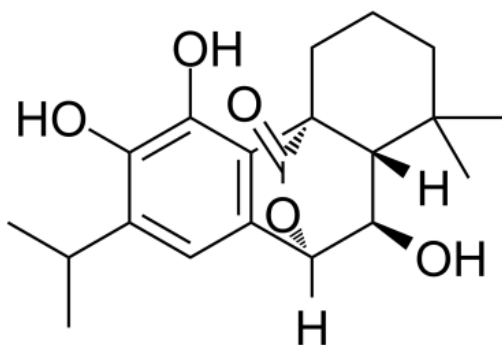
Formula $C_{20}H_{26}O_5$ M.Wt 346.42

Solubility DMSO : 100 mg/mL (288.67 mM; Need ultrasonic) Storage Store at -20°C

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

Isorosmanol is an abietane-type diterpene isolated from the leaves of sage, with antioxidant, neuroprotective and neurotrophic effects. Isorosmanol inhibits AChE activity and melanin

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

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synthesis[1][2][3].

[1]. Miura K, et al. Antioxidant activity of chemical components from sage (*Salvia officinalis* L.) and thyme (*Thymus vulgaris* L.) measured by the oil stability index method. *J Agric Food Chem.* 2002 Mar 27;50(7):1845-51. [2]. Park SY, et al. Neuroprotective and neurotrophic effects of isorosmanol. *Z Naturforsch C.* 2009 May-Jun;64(5-6):395-8. [3]. Sallam A, et al. Acetylcholine esterase inhibitors and melanin synthesis inhibitors from *Salvia officinalis*. *Phytomedicine.* 2016 Sep 15;23(10):1005-11.

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