

Product Data Sheet

Product Name: Pinoresinol dimethyl ether

Cat. No.: GC36923

Chemical Properties

Cas. No. 29106-36-3

SMILES COC1=CC=C([C@H]2OC[C@]3([H])[C@@H](C4=CC=C(OC)C(OC)=C4)OC[C@@]32[H])C=C1OC

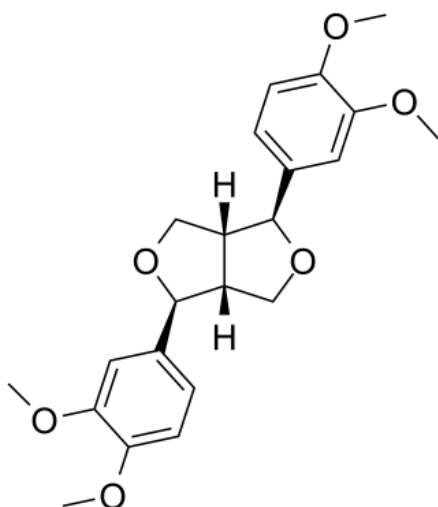
Formula $C_{22}H_{26}O_6$ M.Wt 386.44

Solubility DMSO : 100 mg/mL (258.77 mM; Need ultrasonic) Storage Store at 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

Pinoresinol dimethyl ether ((+)-Eudesmin) is a non-phenolic furofuran lignan isolated from the stem

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

bark of Magnolia kobus with neuritogenic activity. Pinoresinol dimethyl ether ((+)-Eudesmin) can induce neuritis outgrowth from PC12 cells by stimulating up-stream MAPK, PKC and PKA pathways[1][2].

[1]. Teruhisa Miyauchi, et al. Formation of (+)-eudesmin in Magnolia kobus DC. Var. borealis sarg. Phytochemistry, 1998, 47(4): 665-670. [2]. Yang YJ, et al. Effects of (+)-eudesmin from the stem bark of magnolia kobus DC. var. borealis Sarg. on neurite outgrowth in PC12 cells. Arch Pharm Res. 2006 Dec;29(12):1114-8.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA