

Product Data Sheet

Product Name: Tribuloside

Cat. No.: GC37825

Chemical Properties

Cas. No. 22153-44-2

SMILES O=C1C(O[C@@H]2O[C@@H]([C@@H](O)[C@H](O)[C@H]2O)COC(/C=C/C3=CC=C(O)C=C3)=O=C(C4=CC=C(O)C=C4)OC5=CC(O)=CC(O)=C51

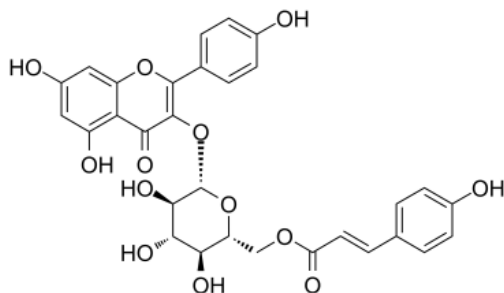
Formula $C_{30}H_{26}O_{13}$ M.Wt 594.52

Solubility DMSO : 125 mg/mL (210.25 mM; Need ultrasonic) Storage -20°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

Tribuloside, is isolated from *Potentilla multifida*. Tribuloside exhibits anti-mycobacterial activity against the non-pathogenic *Mycobacterium* species with a minimum inhibitory concentration (MIC) 5.0 mg/mL. Tribuloside has 1,1-diphenyl-2-picrylhydrazyl radical scavenging activity[1]. Tribuloside possesses antidepressant effect, improves behavior and BrdU immunoreactive cells of depression

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

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model rats[2].

[1]. Christopher R, et al. A new cinnamoylglycoflavonoid, antimycobacterial and antioxidant constituents from *Heritiera littoralis* leaf extracts. *Nat Prod Res.* 2014;28(6):351-8. [2]. SHEN Shuang-hong, et al. Effect of tribuloside on geurogenesis in dentate gyrus of chronic stress depression rats. *Acta Chinese Medicine & Pharmacology*,2008,36(3) :13-16.

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