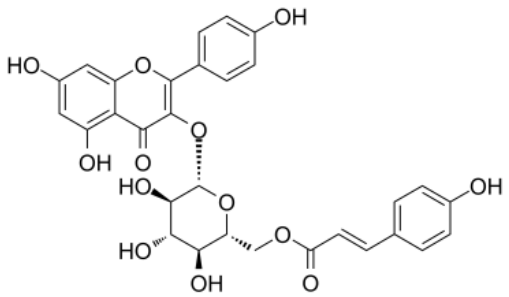
Product Data Sheet

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 fromPotentilla multifid. 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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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.

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