

Product Data Sheet

Product Name: Yadanziolide A

Cat. No.: GC37948

Chemical Properties

Cas. No. 95258-14-3

SMILES O[C@@]1([C@H]2O)[C@@]34[C@@]([C@@H](O)[C@H](O)[C@]1(OC4)CO)([H])[C@@]([C@@](C(C)=CC5=O)([H])C[C@@]3([H])OC2=O)([C@@H]5O)C

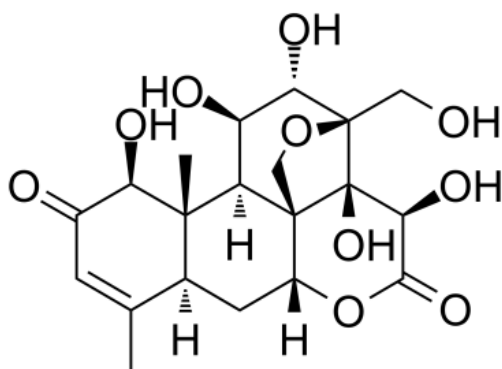
Formula $C_{20}H_{26}O_{10}$ M.Wt 426.41

Solubility DMSO : 100 mg/mL (234.52 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

Yadanziolide A, isolated from the cultivated dry seeds of *Brucea javanica*, has strong antiviral activities with IC₅₀ of 5.5 μM against tobacco mosaic virus. Yadanziolide A shows significant antitumor effects[1][2]. IC₅₀: 5.5 μM (Tobacco mosaic virus)[1]

[1]. Yan XH, et al. Anti-tobacco mosaic virus (TMV) Quassinoids from *Brucea javanica* (L.) Merr. J

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

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Agric Food Chem. 2010 Feb 10;58(3):1572-7. [2]. Liu JQ, et al. One new pregnane glycoside from the seeds of cultivated Brucea javanica. Arch Pharm Res. 2011 Aug;34(8):1297-300.

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