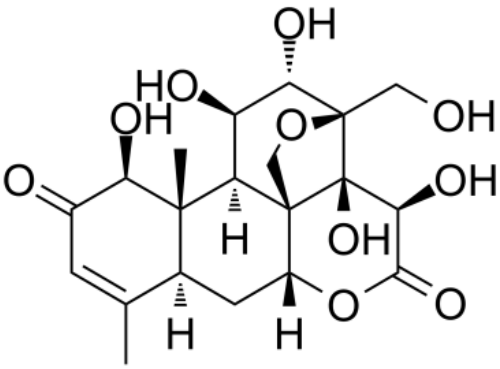
# Product Data Sheet

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

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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.