

Product Data Sheet

Product Name: Cheilanthifoline

Cat. No.: GC27805

Chemical Properties

Cas. No. 138664-32-1

Chemical Name 12H-Benzo[a]-1,3-benzodioxolo[4,5-g]quinolizin-8-ol, 6,6a,11,14-tetrahydro-9-methoxy-, (S)-

SMILES OC1=C(OC)C=C2CCN(CC3=C(OCO4)C4=CC=C3C5)[C@]5([H])C2=C1

Formula $C_{19}H_{19}NO_4$

M.Wt 325.36

Solubility

Storage 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

Cheilanthifoline, an alkaloid, is isolated from *Corydalis calliantha*. Cheilanthifoline exhibits antiplasmodial activities against *Plasmodium falciparum*, with IC_{50} s of 0.90 μ g/mL and 1.22 μ g/mL for wild type (TM4) and multidrug resistant (K1) strains, respectively^[1].

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

References:

[1]. Wangchuk P, et, al. Antiplasmodial agents from the Bhutanese medicinal plant *Corydalis calliantha*. *Phytother Res.* 2010 Apr;24(4):481-5.

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