

Product Data Sheet

Product Name: Corydine

Cat. No.: GC35731

Chemical Properties

Cas. No. 476-69-7

SMILES OC1=C(OC)C=C2C3=C1C(C(OC)=C(OC)C=C4)=C4C[C@]3([H])N(CC2)C

Formula $C_{20}H_{23}NO_4$

M.Wt 341.4

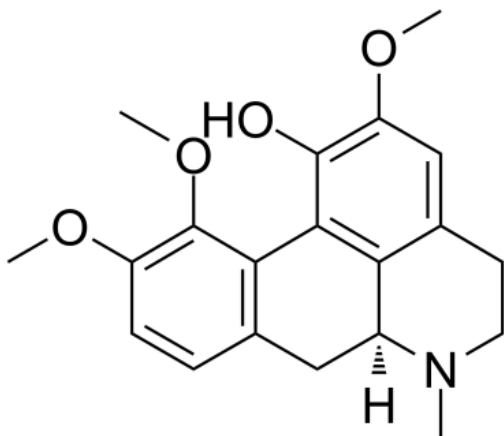
Solubility Soluble in DMSO

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

Corydine is a naturally occurring alkaloid which can be extracted from plants such as Croton echinocarpus leaves. Corydine is efficient on inhibiting reverse transcriptase (RT) activity with an IC₅₀ of 356.8 µg/mL. Corydine displays significant in vitro anti-HIV potential, inhibiting 40% of the HIV-1 reverse transcriptase enzyme activity at a concentration of 450 µg/mL of Corydine[1].

[1]. N.Ravanelli, et al. Alkaloids from Croton echinocarpus Baill.: Anti-HIV potential. South African Journal of Botany. 2016 Jan, 102: 153-156

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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