

Product Data Sheet

Product Name: Scoulerine

Cat. No.: GC39798

Chemical Properties

Cas. No. 6451-73-6

SMILES OC1=C(OC)C=C(CCN2CC3=C(O)C(OC)=CC=C3C[C@]24[H])C4=C1

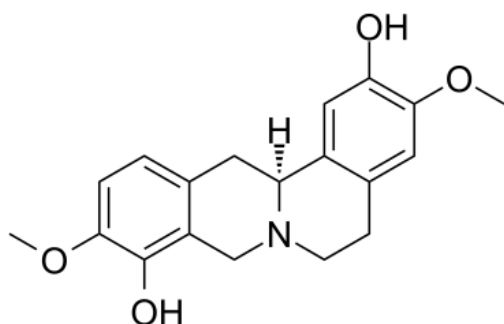
Formula $C_{19}H_{21}NO_4$ M.Wt 327.37

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

Scoulerine ((-)-Scoulerine), an isoquinoline alkaloid, is a potent antimitotic compound. Scoulerine is also an inhibitor of BACE1 (β-site amyloid precursor protein cleaving enzyme 1). Scoulerine inhibits proliferation, arrests cell cycle, and induces apoptosis in cancer cells[1].

[1]. Habartova K, et al. Scoulerine affects microtubule structure, inhibits proliferation, arrests cell cycle and thus culminates in the apoptotic death of cancer cells. Sci Rep. 2018;8(1):4829. Published 2018 Mar 19.

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

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