

Dihydrosanguinarine

Catalog No: tcsc3819



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

3606-45-9

Formula:

$C_{20}H_{15}NO_4$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : 5.2 mg/mL (15.60 mM; Need ultrasonic and warming)

Alternative Names:

13,14-Dihydrosanguinarine

Observed Molecular Weight:

333.34

Product Description

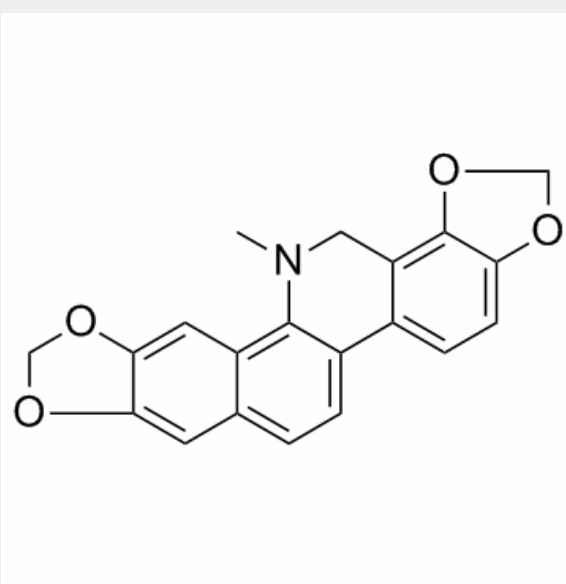
Dihydrosanguinarine is a natural compound isolated from the leaves of *Macleaya microcarpa*; has antifungal and anticancer activity.

IC50 value:

Target:

in vitro: Dihydrosanguinarine showed much less cytotoxicity than sanguinarine: at the highest concentration tested (20 μM) and 24h exposure, dihydrosanguinarine decreased viability only to 52% [1]. Dihydrosanguinarine showed the highest antifungal activity against *B. cinerea* Pers, with 95.16% mycelial growth inhibition at 50 $\mu\text{g/ml}$ [2]. dihydrosanguinarine showed the most potent leishmanicidal activities (IC(50) value: 0.014 $\mu\text{g/ml}$, respectively) [4].

in vivo: Repeated dosing of DHSG for 90 days at up to 500 ppm in the diet (i.e. approximately 58 mg/kg/day) showed no evidence of toxicity in contrast to results published in the literature [3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!