

Product Data Sheet

Product Name: Crebanine

Cat. No.: GC35747

Chemical Properties

Cas. No. 25127-29-1

SMILES CN1CCC(C2=C3C4=CC=C(OC)C(OC)=C4C[C@@]12[H])=CC5=C3OCO5

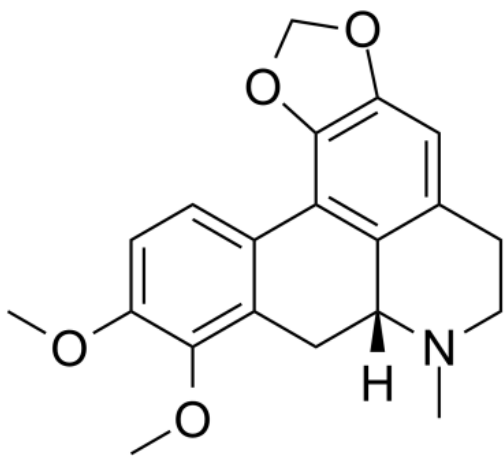
Formula $C_{20}H_{21}NO_4$ M.Wt 339.39

Solubility DMSO : 100 mg/mL (294.65 mM; Storage 4°C, protect from light
Need ultrasonic)

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

Crebanine, an alkaloid from *Stephania venosa*, induces G1 arrest and apoptosis in human cancer cells. Crebanine exhibits anti-inflammatory activity via suppressing MAPKs and Akt signaling. Crebanine also possesses antiarrhythmic effect[1][2].

[1]. Wongsirisin P, et al. Induction of G1 arrest and apoptosis in human cancer cells by crebanine, an alkaloid from *Stephania venosa*. Chem Pharm Bull (Tokyo). 2012;60(10):1283-9. [2]. Intayoung P, et

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

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al. Antiinflammatory Activities of Crebanine by Inhibition of NF- κ B and AP-1 Activation through Suppressing MAPKs and Akt Signaling in LPS-Induced RAW264.7 Macrophages. Biol Pharm Bull. 2016;39(1):54-61.

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