[Product Information]

**Name:** Crebanine

**Catalog No.:** CFN98275

**Cas No.:** 25127-29-1

**Purity:** > 95%

**M.F:** C_{20}H_{21}NO_{4}

**M.W:** 339.4

**Physical Description:** Cryst.

**Synonyms:** 9,10-Dimethoxy-7-methyl-6,7,7a,8-tetrahydro-5H-[1,3]benzodioxolo[6,5,4-de]benzo[g]quinoline.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The herbs of *Stephania yunnanensis*.

[Biological Activity or Inhibitors]
Crebanine has antiarrhythmic effects.[1]

Crebanine can significantly improve the cognitive deficits induced by scopolamine, via the alpha-7 nicotinic acetylcholine receptor, crebanine or its scaffold can be used as the starting point to develop a drug for Alzheimer's disease.[2]

Crebanine exhibits anticancer activity, it can reduce TNF-α-induced cancer cell proliferation, invasion, and survival by suppressing NF-κB activity and expression profile of its downstream genes.[3]

Crebanine displays antiinflammatory properties, which may stem from the inhibition of proinflammatory mediators via suppression of the NF-κB, AP-1, MAPKs, and Akt signaling pathways.[4]

Crebanine has significant analgesic action, it can strongly inhibit the contraction of vas deferentia induced by electrical stimulation.[5]

[ Solvent ]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][6]

Mobile phase:(Methanol-water-10%triethylamine=50:50:0.5)-(Methanol-10% triethylamine =100:0.5),gradient elution;

Flow rate:1.0 ml/min;

Column temperature:Room Temperature;

The wave length of determination:282 nm.

[ Storage ]

2-8 ℃, Protected from air and light, refrigerate or freeze.

[ References ]


[Contact]

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