

Cochlearine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cochlearine

Catalog No.: CFN00213

Cas No.: 52418-07-2

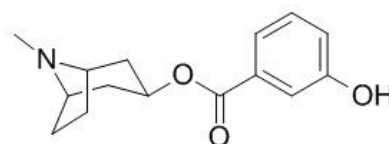
Purity: > 95%

M.F: C₁₅H₁₉NO₃

M.W: 261.32

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The herbs of *Cochlearia officinalis*.

[Biological Activity or Inhibitors]

Cochlearines A and B , two pairs of enantiomeric hybrid metabolites, are isolated and

characterized from Ganoderma cochlear, cochlearines A can significantly inhibit Cav3.1 T-type calcium channel (TTCC) and show noticeable selectivity against Cav1.2, Cav2.1, Cav2.2, and Kv11.1 (hERG) channels; and TTCC inhibitors hold great potential for the treatment of a variety of neurological disorders.^[1]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Zhou F J, Nian Y, Yan Y, *et al.Org. Lett.*, 2015, 17(12):3082-5.

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