

Mayumbine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Mayumbine

Catalog No.: CFN98283

Cas No.: 25532-45-0

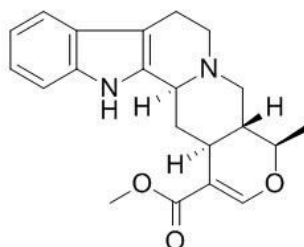
Purity: > 95%

M.F: C₂₁H₂₄N₂O₃

M.W: 352.4

Physical Description: Powder

Synonyms: 16,17-Didehydro-19 β -methyl-18-oxayohimban-16-carboxylic acid methyl ester.



[Intended Use]

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

[Source]

The herbs of *Rauvolfia vomitoria*.

[Biological Activity or Inhibitors]

Mayumbine, a naturally occurring heteroyohimbine, isolated from *Rauwolfia vomitoria* extracts, and is shown to potently ($IC_{50} = 76 \pm 3.5$ nM) inhibit the in vitro binding of 3H-diazepam to the benzodiazepine sites within the rat GABAA receptor complex.^[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]Jinglu Ai, Kim Dekermendjian, Mogens Nielsen, *et al. Nat. Prod. Lett.*, 1997, 11(1):73-6.

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