

alpha-Yohimbine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: alpha-Yohimbine

Catalog No.: CFN99400

Cas No.: 131-03-3

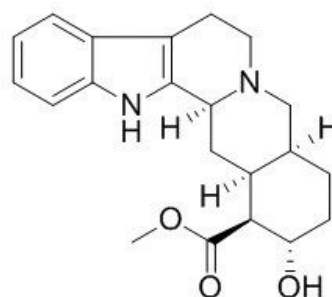
Purity: > 95%

M.F: C₂₁H₂₆N₂O₃

M.W: 354.5

Physical Description: Powder

Synonyms: Methyl (16β,17α,20α)-17-hydroxyyohimban-16-carboxylate.



[Intended Use]

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

[Source]

The barks of *Pausinystalia yohimbe*.

[Biological Activity or Inhibitors]

[³H]Rauwolscine(alpha-yohimbine), a specific antagonist radioligand for brain alpha

2-adrenergic receptors, it is used to characterize alpha 2-receptor binding in bovine cerebral cortex.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 2 mM Triethylamine in water- 2 mM Triethylamine in acetonitrile, gradient elution ;

Flow rate: 0.3 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Perry B D, U'Prichard D C. *Eur. J. Pharmacol.*, 1981 Dec 17;76(4):461-4.

[2] Zanolari B, Ndjoko K, Ioset J R, *et al. Phytochem. Anal.*, 2003 Jul-Aug;14(4):193-201.

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