



Yohimbine Hydrochloride Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Yohimbine Hydrochloride

Catalog No.: CFN99511

Cas No.: 17020-04-1

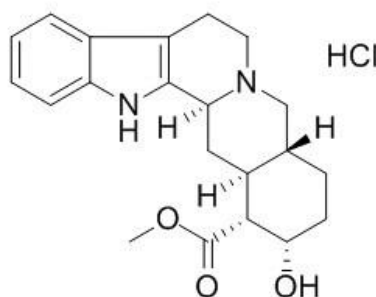
Purity: >=98%

M.F: C₂₁H₂₆N₂O₃HCL

M.W: 390.91

Physical Description: White powder

Synonyms: Methyl(3beta,15beta,16beta,17beta,20alpha)-17-hydroxyyohimban-16-carboxylate.



[Intended Use]

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

[Source]

The peel of *Corynante Yohimbe*.

[Biological Activity or Inhibitors]

Yohimbine hydrochloride is an antagonist to xylazine hydrochloride-ketamine hydrochloride immobilization of white-tailed deer.^[1]

High dose yohimbine hydrochloride has therapeutic effects on organic erectile dysfunction.^[2]

Yohimbine hydrochloride can block alpha 2-adrenergic and dopamine receptors and stimulate serotonergic receptors, it may possible be an antagonist for fescue toxicosis.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: 0.5% Aqueous triethylamine (adjusted at PH 3.0 using orthophosphoric acid)-Methanol=65:35 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280/360 nm.

[Storage]

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

[References]

[1] Mech L D, Del Giudice G D, Karns P D, *et al. J. Wildl. Dis.*, 1985, 21(4):405-10.

[2] Susset J G, Tessier C D, Wincze J, *et al. J.Urol.*, 1989, 141(6):1360-3.

[3] Jernigan A D, Booth N H, Robbins J D, *et al. Am. J.Vet. Res.*, 1986, 47(4):949-52.

[4] Elgindy A E, Farouk M, Elaziz L A, *et al. J. Appl. Sci. Res.*, 2009,5(7):693-8.

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