

## beta-Yohimbine Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** beta-Yohimbine

**Catalog No.:** CFN98921

**Cas No.:** 549-84-8

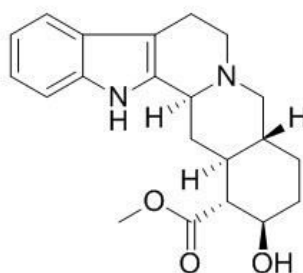
**Purity:** > 95%

**M.F:** C<sub>21</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>

**M.W:** 354.5

**Physical Description:** Powder

**Synonyms:** Methyl (16alpha,17beta)-17-hydroxyyohimban-16-carboxylate; Amsonin; Amsonine; Yohimban-16-alpha-carboxylic acid, 17-beta-hydroxy-, methyl ester.



### [ Intended Use ]

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

### [ Source ]

The peel of *Corynante yohimbe*.

### [ Biological Activity or Inhibitors ]

Beta-yohimbine has toxicity, it is approximately twice as toxic as yohimbine and corynanthine about one fifth as toxic.<sup>[1]</sup>

Beta-yohimbine has alpha-1 and alpha-2 adrenoceptor blocking activities, it has cardiovascular effects .<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Methanol -H<sub>2</sub>O=80:20 ;

Flow rate: 1.5 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Lambert G A, Lang W J. *Psychopharmacology*, 1977, 51(2):209-12.

[2] Oztürk N, Korkmaz S, Oztürk Y, *et al. Planta Med.*, 2006, 72(4):289-94.

[3] Xue G, Yuan S. *China Journal of Chinese Materia Medica*, 1996, 21(9):554-5, 576.

## **[ Contact ]**

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