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## Product Data Sheet

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Product Name: Yohimbic acid  
Cat. No.: GC61386

### Chemical Properties

Cas. No. 522-87-2

SMILES OC([C@@H]1[C@@]2([H])C[C@@]3([H])C4=C(CCN3C[C@]2([H])CC[C@@H]1O)C5=CC=CC=C5N4)=O

Formula C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>

M.Wt 340.42

Solubility DMSO : 125 mg/mL (367.19 mM; Need ultrasonic)

Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath tips for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon Condition request.

Structure

### Background

Yohimbic acid is an amphoteric demethylated derivative of Yohimbine. Yohimbic acid exhibits vasodilatory action. Yohimbic acid also can be used for the research of osteoarthritis (OA)[1][2][3].

[1]. Wang S, et, al. Significantly dysregulated genes in osteoarthritic labrum cells identified through gene expression profiling. Mol Med Rep. 2019 Aug; 20(2): 1716-1724. [2]. HAMET R. [Sympatholytic activity and toxicity of an amphoteric demethylated derivative of yohimbine: yohimbic acid]. C R Hebd Seances Acad Sci. 1951 Oct 29;233(18):1069-71. [3]. HAMET R. [Demonstration of the direct vasodilatory action of yohimbic acid and Py-tetrahydroquinoline]. C R Hebd Seances Acad Sci. 1960 Jun 27;250:4473-5.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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