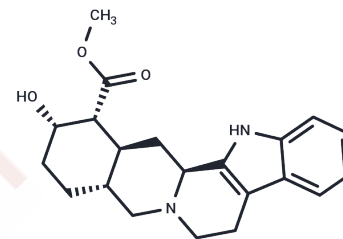


Yohimbine

Chemical Properties

CAS No. :	146-48-5
Formula:	C ₂₁ H ₂₆ N ₂ O ₃
Molecular Weight:	354.4
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Yohimbine is a nonselective alpha 2-adrenergic receptor (AR) antagonist (IC ₅₀ : 0.6 μM)
Targets(IC ₅₀)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 100 mg/mL (282.17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8217 mL	14.1084 mL	28.2167 mL
5 mM	0.5643 mL	2.8217 mL	5.6433 mL
10 mM	0.2822 mL	1.4108 mL	2.8217 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Vay M, Sauter M, Mikus G, et al. Quantification of microdosed oral yohimbine and its major metabolite in human plasma in the picogram range[1]. *Bioanalysis*. 2019 Aug;11(16):1459-1467.
- Wei X, Qiu J, Lai R, et al. A human organoid drug screen identifies α2-adrenergic receptor signaling as a therapeutic target for cartilage regeneration. *Cell Stem Cell*. 2024
- Williams K L, Nickel M M, Bielak J T. Baclofen Blocks Yohimbine-Induced Increases in Ethanol-Reinforced Responding in Rats[J]. *Pharmacology Biochemistry & Behavior*, 2016:S0091305716300223.

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