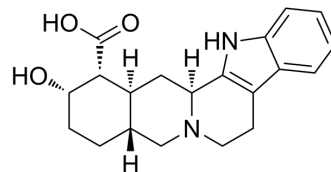


Yohimbic acid

Cat. No.:	HY-121936
CAS No.:	522-87-2
Molecular Formula:	C ₂₀ H ₂₄ N ₂ O ₃
Molecular Weight:	340.42
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (367.19 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.9375 mL	14.6877 mL	29.3755 mL
5 mM		0.5875 mL	2.9375 mL	5.8751 mL	
	10 mM	0.2938 mL	1.4688 mL	2.9375 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (6.11 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.11 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	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]} .
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REFERENCES

- [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]. HAMEY 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.

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

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