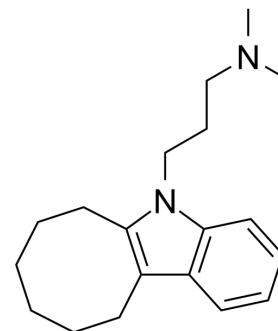


## Iprindole

Cat. No.:	HY-12392
CAS No.:	5560-72-5
Molecular Formula:	C <sub>19</sub> H <sub>28</sub> N <sub>2</sub>
Molecular Weight:	284.44
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 120 mg/mL (421.88 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.5157 mL	17.5784 mL	35.1568 mL
				5 mM	0.7031 mL	3.5157 mL	7.0314 mL
				10 mM	0.3516 mL	1.7578 mL	3.5157 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: 3 mg/mL (10.55 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 3 mg/mL (10.55 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3 mg/mL (10.55 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Iprindole, a tricyclic indole antidepressant, is a weak inhibitor of the uptake of noradrenaline and 5-HT <sup>[1]</sup> .
In Vivo	Iprindole produces less than 50% inhibition of the uptake of noradrenaline as well as that of 5-HT at 100 mg/kg i.p.. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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