Iprindole

Cat. No.: HY-12392

CAS No.: 5560-72-5

Molecular Formula: $C_{19}H_{28}N_2$

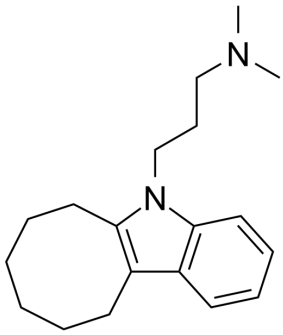
Molecular Weight: 284.44

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	Mass / Solvent / Concentration	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[1].

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

[1]. M I Gluckman, et al. The pharmacology of iprindole, a new antidepressant. Psychopharmacologia. 1969;15(3):169-85.

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