4-Hydroxyindole

Cat. No.: HY-34596

CAS No.: 2380-94-1

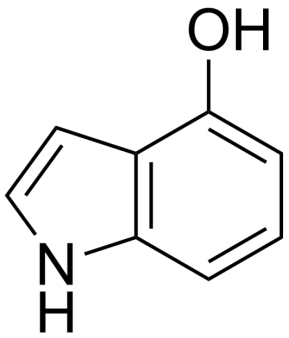
Molecular Formula: C_8H_7NO

Molecular Weight: 133.15

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 15.71 mg/mL (117.99 mM; Need ultrasonic)

H_2O : 1.43 mg/mL (10.74 mM; Need ultrasonic)

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	7.5103 mL	37.5516 mL	75.1033 mL
	5 mM	1.5021 mL	7.5103 mL	15.0207 mL
	10 mM	0.7510 mL	3.7552 mL	7.5103 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: ≥ 1.57 mg/mL (11.79 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1.57 mg/mL (11.79 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Hydroxyindole is a member of the class of hydroxyindoles that is 1H-indole substituted by a hydroxy group at position 4. 4-Hydroxyindole is an important raw material or intermediate in the synthesis of pharmaceutical products and industrial polymers[1].

REFERENCES

[1]. Nenad Manevski, et al. Glucuronidation of psilocin and 4-hydroxyindole by the human UDP-glucuronosyltransferases. Drug Metab Dispos. 2010 Mar;38(3):386-95.