

Product Data Sheet

5-Bromoindole

Cat. No.: HY-30236

CAS No.: 10075-50-0

Molecular Formula: C₈H₆BrN

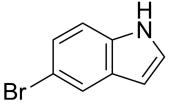
Molecular Weight: 196.04

Target: Others

Pathway: Others

Storage: 4°C, protect from light

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



SOLVENT & SOLUBILITY

In Vitro

DMSO: 100 mg/mL (510.10 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	5.1010 mL	25.5050 mL	51.0100 mL
	5 mM	1.0202 mL	5.1010 mL	10.2020 mL
	10 mM	0.5101 mL	2.5505 mL	5.1010 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: ≥ 2.5 mg/mL (12.75 mM); Clear solution
- 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.75 mM); Clear solution
- 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.75 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

 $5-B romoindole\ is\ a\ chemical\ intermediate\ that\ can\ be\ used\ for\ the\ synthesis\ of\ GSK-3\ inhibitors\ and\ anti-cancer\ agents\ ^{[1][2]}.$

REFERENCES

[1]. Gunosewoyo H, et al. Characterization of maleimide-based glycogen synthase kinase-3 (GSK-3) inhibitors as stimulators of steroidogenesis. J Med Chem. 2013 Jun 27;56(12):5115-29.

2]. Butler-Fernández KM, et al. 24;24(15):2686.	. Synthesis, Anti-Cancer and A	Anti-Migratory Evaluation of 3,6-E	oibromocarbazole and 5-Bromoindole Derivati	ves. Molecules. 2019 Jul
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