Screening Libraries

Product Data Sheet

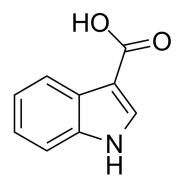
Indole-3-carboxylic acid

Cat. No.: HY-40161 CAS No.: 771-50-6 Molecular Formula: C_oH₇NO₂ Molecular Weight: 161.16

Target: **Endogenous Metabolite** Pathway: Metabolic Enzyme/Protease Storage: Powder -20°C 3 years

2 years -80°C In solvent 6 months

> -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO: 100 mg/mL (620.50 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	6.2050 mL	31.0251 mL	62.0501 mL
	5 mM	1.2410 mL	6.2050 mL	12.4100 mL
	10 mM	0.6205 mL	3.1025 mL	6.2050 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 (15.51 mM); Clear solution
- 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.51 mM); Clear solution
- 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.51 mM); Clear solution

BIOLOGICAL ACTIVITY

Description Indole-3-carboxylic acid is a normal urinary indolic tryptophan metabolite and has been found elevated in patients with liver diseases^{[1][2]}.

Human Endogenous Metabolite IC₅₀ & Target

REFERENCES



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