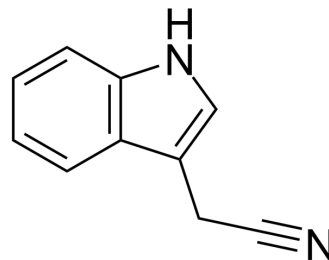


3-Indoleacetonitrile

Cat. No.:	HY-Y0136		
CAS No.:	771-51-7		
Molecular Formula:	C ₁₀ H ₈ N ₂		
Molecular Weight:	156.18		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (640.29 mM; Need ultrasonic)
 H₂O : 1 mg/mL (6.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.4029 mL	32.0143 mL	64.0287 mL
	5 mM	1.2806 mL	6.4029 mL	12.8057 mL
	10 mM	0.6403 mL	3.2014 mL	6.4029 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (16.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (16.01 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (16.01 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Indoleacetonitrile is an endogenous metabolite.

IC₅₀ & Target

Human Endogenous Metabolite

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

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