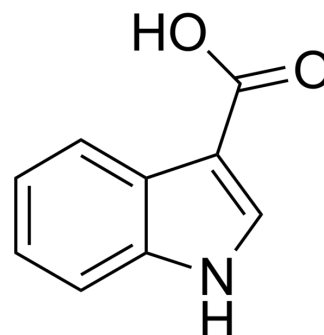


Indole-3-carboxylic acid

Cat. No.:	HY-40161		
CAS No.:	771-50-6		
Molecular Formula:	C ₉ H ₇ NO ₂		
Molecular Weight:	161.16		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (620.50 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	<ol style="list-style-type: none"> 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 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 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]} .
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Byrd DJ, et al. The analysis of indolic tryptophan metabolites in human urine. Thin-layer chromatography and in situ quantitation. J Chromatogr. 1974 Jul 17;94(0):85-106.

[2]. HARTMANN F, et al. [Indolepatterns in the urine of liver patients]. Klin Wochenschr. 1962 Jul 15;40:721-9.

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

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