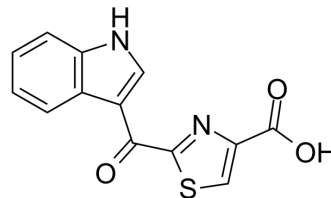


Indolokine A5

Cat. No.:	HY-N10123	
CAS No.:	951207-88-8	
Molecular Formula:	C ₁₃ H ₈ N ₂ O ₃ S	
Molecular Weight:	272.28	
Target:	Aryl Hydrocarbon Receptor	
Pathway:	Immunology/Inflammation	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (183.63 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	3.6727 mL	18.3634 mL	36.7269 mL
			5 mM	0.7345 mL	3.6727 mL	7.3454 mL
10 mM	0.3673 mL	1.8363 mL	3.6727 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: ≥ 1.25 mg/mL (4.59 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Indolokine A5, a catabolite of L-cysteine, is a potent AhR agonist ^[1] .
IC ₅₀ & Target	AhR ^[1]

REFERENCES

[1]. Gatsios A, et, al. Escherichia coli small molecule metabolism at the host-microorganism interface. Nat Chem Biol. 2021 Oct;17(10):1016-1026.

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

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