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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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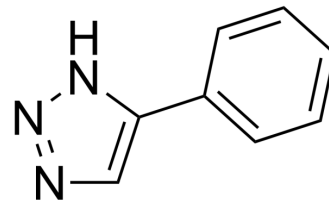
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4-Phenyl-1H-1,2,3-triazole

Cat. No.:	HY-W113615
CAS No.:	1680-44-0
Molecular Formula:	C ₈ H ₇ N ₃
Molecular Weight:	145.16
Target:	Indoleamine 2,3-Dioxygenase (IDO)
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 : 25 mg/mL (172.22 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.8889 mL	34.4447 mL	68.8895 mL
		5 mM		1.3778 mL	6.8889 mL	13.7779 mL
		10 mM		0.6889 mL	3.4445 mL	6.8889 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 (17.22 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (17.22 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (17.22 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	4-Phenyl-1H-1,2,3-triazole is an IDO1 inhibitor (IC ₅₀ : 60 nM). 4-Phenyl-1H-1,2,3-triazole can be used for cancer research ^[1] .
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REFERENCES

[1]. Röhrig UF, et al. Rational design of 4-aryl-1,2,3-triazoles for indoleamine 2,3-dioxygenase 1 inhibition. J Med Chem. 2012 Jun 14;55(11):5270-90.

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

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