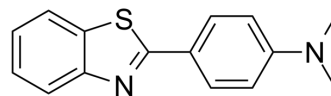


Luciferase-IN-1

Cat. No.:	HY-136706		
CAS No.:	10205-56-8		
Molecular Formula:	C ₁₅ H ₁₄ N ₂ S		
Molecular Weight:	254.35		
Target:	Reactive Oxygen Species		
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB		
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 : 10 mg/mL (39.32 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.9316 mL	19.6580 mL	39.3159 mL
		5 mM	0.7863 mL	3.9316 mL	7.8632 mL
10 mM		0.3932 mL	1.9658 mL	3.9316 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 mg/mL (3.93 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1 mg/mL (3.93 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Luciferase-IN-1 is a luciferase inhibitor ^[1] .
In Vitro	Luciferase-IN-1 is a Luciferase inhibitor ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Auld DS, et al. A basis for reduced chemical library inhibition of firefly luciferase obtained from directed evolution. J Med Chem. 2009;52(5):1450-1458.

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

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