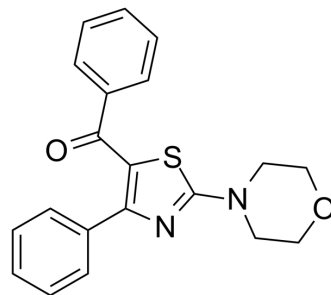


5-LOX-IN-1

Cat. No.:	HY-148134		
CAS No.:	55040-82-9		
Molecular Formula:	C ₂₀ H ₁₈ N ₂ O ₂ S		
Molecular Weight:	350.43		
Target:	Lipoxygenase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (285.36 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.8536 mL	14.2682 mL	28.5364 mL
5 mM	0.5707 mL	2.8536 mL	5.7073 mL
10 mM	0.2854 mL	1.4268 mL	2.8536 mL

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

BIOLOGICAL ACTIVITY

Description	5-LOX-IN-1 (compound 2b) is an inhibitor of human 5-Lipoxygenase (5-LOX) with an IC ₅₀ value of 2.3 μM. 5-LOX-IN-1 can be used for the research of inflammation ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2.3 μM (5-LOX) ^[1]
In Vitro	5-LOX-IN-1 (0-10 μM) inhibits 5-LOX with an IC ₅₀ value of 2.3 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sinha S, et al. Design, synthesis and identification of novel substituted 2-amino thiazole analogues as potential anti-inflammatory agents targeting 5-lipoxygenase. Eur J Med Chem. 2018 Oct 5;158:34-50.

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

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