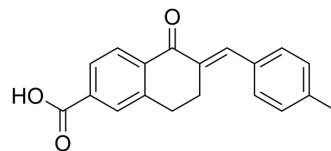


Firefly luciferase-IN-1

Cat. No.:	HY-155945		
CAS No.:	2765796-41-4		
Molecular Formula:	C ₁₉ H ₁₆ O ₃		
Molecular Weight:	292.33		
Target:	Others		
Pathway:	Others		
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 (342.08 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.4208 mL	17.1040 mL	34.2079 mL
	5 mM	0.6842 mL	3.4208 mL	6.8416 mL
	10 mM	0.3421 mL	1.7104 mL	3.4208 mL

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

BIOLOGICAL ACTIVITY

Description

Firefly luciferase-IN-1 (compound 48) is a highly potent and reversible inhibitor of firefly luciferase with an IC₅₀ value of 0.25 nM^[1].

REFERENCES

[1]. Li Y, et al. Identification of 2-Benzylidene-tetralone Derivatives as Highly Potent and Reversible Firefly Luciferase Inhibitors. ACS Med Chem Lett. 2022 Jan 20;13(2):304-311.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA