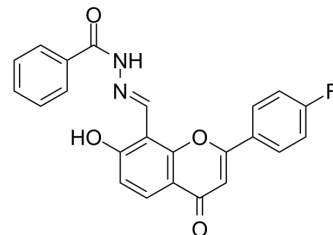


Urease-IN-3

Cat. No.:	HY-147787
CAS No.:	2543651-72-3
Molecular Formula:	C ₂₃ H ₁₅ FN ₂ O ₄
Molecular Weight:	402.37
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (248.53 mM; Need ultrasonic)				
		Solvent	Mass		
	Preparing Stock Solutions	Concentration	1 mg	5 mg	10 mg
		1 mM	2.4853 mL	12.4264 mL	24.8527 mL
		5 mM	0.4971 mL	2.4853 mL	4.9705 mL
10 mM		0.2485 mL	1.2426 mL	2.4853 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (6.21 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Urease-IN-3 (Compound L12) is a potent inhibitor of Urease with an IC ₅₀ of 1.449 μM. Urease-IN-3 is a flavonoid analogue compound ^[1] .
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REFERENCES

[1]. Liu H, et al. Flavonoid analogues as urease inhibitors: Synthesis, biological evaluation, molecular docking studies and in-silico ADME evaluation. Bioorg Chem. 2020;105:104370.

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

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