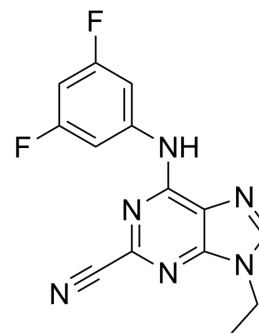


Cruzain-IN-1

Cat. No.:	HY-10836		
CAS No.:	1199523-24-4		
Molecular Formula:	C ₁₄ H ₁₀ F ₂ N ₆		
Molecular Weight:	300.27		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (83.26 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.3303 mL	16.6517 mL	33.3034 mL
5 mM	0.6661 mL	3.3303 mL	6.6607 mL
10 mM	0.3330 mL	1.6652 mL	3.3303 mL

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

BIOLOGICAL ACTIVITY

Description

Cruzain-IN-1 is a covalent and reversible Cruzain inhibitor, with an IC₅₀ of 10 nM.

IC₅₀ & Target

Trypanosoma
10 nM (IC₅₀)

REFERENCES

[1]. Lee GM, et al. Mapping inhibitor binding modes on an active cysteine protease via nuclear magnetic resonance spectroscopy. *Biochemistry*. 2012 Dec 18;51(50):10087-98.

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

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