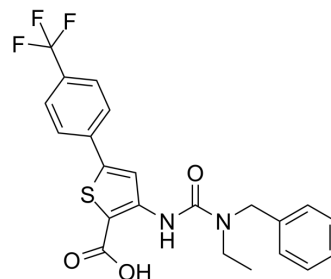


IMP2-IN-2

Cat. No.:	HY-146179		
CAS No.:	1448353-39-6		
Molecular Formula:	C ₂₂ H ₁₉ F ₃ N ₂ O ₃ S		
Molecular Weight:	448.46		
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 (222.99 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2299 mL	11.1493 mL	22.2985 mL
	5 mM	0.4460 mL	2.2299 mL	4.4597 mL
	10 mM	0.2230 mL	1.1149 mL	2.2299 mL

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

BIOLOGICAL ACTIVITY

Description

IMP2-IN-2 (compound 6) is a potent and selective IMP2 inhibitor, with IC₅₀s of 120.9 μM and 236.7 μM for IMP2 interaction with RNA_A and RNA_B, respectively. IMP2-IN-2 can be used for the research of cancer^[1].

REFERENCES

[1]. Dahlem C, et, al. First Small-Molecule Inhibitors Targeting the RNA-Binding Protein IGF2BP2/IMP2 for Cancer Therapy. ACS Chem Biol. 2022 Feb 18;17(2):361-375.

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

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