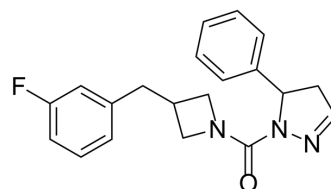


RIP1 kinase inhibitor 7

Cat. No.:	HY-153437
CAS No.:	2428401-23-2
Molecular Formula:	C ₂₀ H ₂₀ FN ₃ O
Molecular Weight:	337.39
Target:	RIP kinase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 66.67 mg/mL (197.61 mM; ultrasonic and warming and heat to 160°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9639 mL	14.8196 mL	29.6393 mL
		5 mM	0.5928 mL	2.9639 mL	5.9279 mL
		10 mM	0.2964 mL	1.4820 mL	2.9639 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 5 mg/mL (14.82 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (14.82 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (14.82 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	RIP1 kinase inhibitor 7 (compound 41) is a potent receptor interacting protein 1 kinase (RIP1) Inhibitor with an IC ₅₀ of <100 nM for human RIP1. RIP1 kinase inhibitor 7 has an EC ₅₀ of 1-100 nM in the cell necrosis assay ^[1] .
IC ₅₀ & Target	hRIP1 <100 nM μM (IC ₅₀)

REFERENCES

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

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