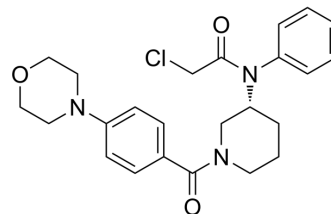


CASP8-IN-1

Cat. No.:	HY-153161	
CAS No.:	1956368-39-0	
Molecular Formula:	C ₂₄ H ₂₈ ClN ₃ O ₃	
Molecular Weight:	441.95	
Target:	Caspase; Apoptosis	
Pathway:	Apoptosis	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (226.27 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.2627 mL	11.3135 mL	22.6270 mL
		5 mM		0.4525 mL	2.2627 mL	4.5254 mL
	10 mM		0.2263 mL	1.1313 mL	2.2627 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.66 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.66 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	CASP8-IN-1 (Compound 63-R) is a selective inhibitor for caspase 8 (CASP8), with an IC ₅₀ of 0.7 μM. CASP8-IN-1 inhibits FasL-induced apoptosis in cell Jurkat ^[1] .
IC₅₀ & Target	Caspase 8 0.7 μM (IC ₅₀)

REFERENCES

[1]. Backus KM, et al., Proteome-wide covalent ligand discovery in native biological systems. Nature. 2016 Jun 23;534(7608):570-4.

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

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