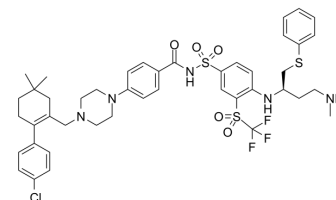


Desmorpholinyl Navitoclax-NH-Me

Cat. No.:	HY-131232		
CAS No.:	2365172-82-1		
Molecular Formula:	C ₄₄ H ₅₁ ClF ₃ N ₅ O ₅ S ₃		
Molecular Weight:	918.55		
Target:	Bcl-2 Family; Ligands for Target Protein for PROTAC		
Pathway:	Apoptosis; PROTAC		
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 (108.87 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
1 mM			1.0887 mL	5.4434 mL	10.8867 mL
5 mM			0.2177 mL	1.0887 mL	2.1773 mL
10 mM			0.1089 mL	0.5443 mL	1.0887 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (2.72 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (2.72 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (2.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Desmorpholinyl Navitoclax-NH-Me is a Bcl-xL inhibitor. Desmorpholinyl Navitoclax-NH-Me and a CRBN ligand for the E3 ubiquitin ligase can be used in the synthesis of PROTAC BCL-XL degrader XZ739 (HY-133557)^{[1][2]}.

REFERENCES

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

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