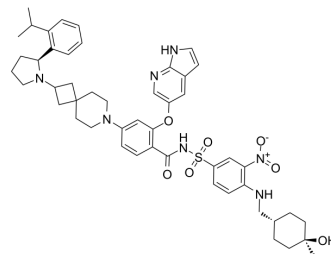


Sonrotoclax

Cat. No.:	HY-148026		
CAS No.:	2383086-06-2		
Molecular Formula:	C ₄₉ H ₅₉ N ₇ O ₇ S		
Molecular Weight:	890.1		
Target:	Bcl-2 Family		
Pathway:	Apoptosis		
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 (112.35 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
1 mM			1.1235 mL	5.6173 mL	11.2347 mL
5 mM			0.2247 mL	1.1235 mL	2.2469 mL
10 mM			0.1123 mL	0.5617 mL	1.1235 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 (2.81 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (2.81 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (2.81 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Sonrotoclax is a potent, orally active Bcl2 inhibitor. Sonrotoclax has effective cell killing effect against a variety of lymphoma and leukemia cell lines^[1].

In Vivo

Sonrotoclax (compound 1; 5-50 mg/kg; p.o.; daily, for 42 d; female NCG mice with acute lymphoblastic leukemia (ALL) xenografts) has antineoplastic activity and inhibits tumor growth^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Female NCG mice with acute lymphoblastic leukemia (ALL) xenografts ^[1]
Dosage:	5, 15, 50 mg/kg
Administration:	oral administration; daily, for 42 days
Result:	Inhibited tumor growth in a dose-dependent manner.

REFERENCES

[1]. Nan HU, et, al. Methods of cancer treatment using bcl-2 inhibitor. WO2021110102A1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA