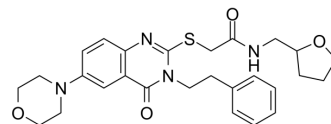


BC-1471

Cat. No.:	HY-122883		
CAS No.:	896683-84-4		
Molecular Formula:	C ₂₇ H ₃₂ N ₄ O ₄ S		
Molecular Weight:	508.63		
Target:	Deubiquitinase		
Pathway:	Cell Cycle/DNA Damage		
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 : 50 mg/mL (98.30 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9661 mL	9.8303 mL	19.6607 mL
	5 mM	0.3932 mL	1.9661 mL	3.9321 mL
	10 mM	0.1966 mL	0.9830 mL	1.9661 mL

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

BIOLOGICAL ACTIVITY

Description

BC-1471 is a STAM-binding protein (STAMBP) deubiquitinase inhibitor. BC-1471 inhibits NALP7 (NACHT, LRR and PYD domains-containing protein 7) inflammasome activity^[1].

IC₅₀ & Target

STAMBP^[1]

REFERENCES

[1]. Bednash JS, et al. Targeting the deubiquitinase STAMBP inhibits NALP7 inflammasome activity. Nat Commun. 2017 May 11;8:15203.

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