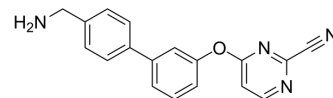


Cysteine Protease inhibitor

Cat. No.:	HY-17541		
CAS No.:	921625-62-9		
Molecular Formula:	C ₁₈ H ₁₄ N ₄ O		
Molecular Weight:	302.33		
Target:	Cathepsin		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (165.38 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3076 mL	16.5382 mL	33.0764 mL
	5 mM	0.6615 mL	3.3076 mL	6.6153 mL
	10 mM	0.3308 mL	1.6538 mL	3.3076 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 (8.27 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Cysteine Protease inhibitor is an inhibitor of cysteine protease. IC₅₀ & Target: Cysteine Protease

CUSTOMER VALIDATION

- Cell Chem Biol. 2021 Apr 27;S2451-9456(21)00213-0.

-
- Sci Rep. 2022 Jul 16;12(1):12197.
 - Harvard Medical School LINCS LIBRARY

See more customer validations on www.MedChemExpress.com

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