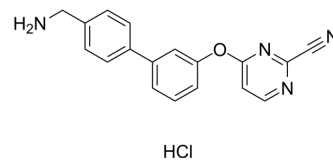


Cysteine Protease inhibitor hydrochloride

Cat. No.:	HY-17541A
CAS No.:	2197053-49-7
Molecular Formula:	C ₁₈ H ₁₅ ClN ₄ O
Molecular Weight:	338.79
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (147.58 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.9517 mL	14.7584 mL	29.5168 mL
				5 mM	0.5903 mL	2.9517 mL	5.9034 mL
				10 mM	0.2952 mL	1.4758 mL	2.9517 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.38 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.38 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.38 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Cysteine Protease inhibitor hydrochloride is an inhibitor of cysteine protease. IC50 & Target: Cysteine Protease
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CUSTOMER VALIDATION

- Cell Chem Biol. 2021 Apr 27;S2451-9456(21)00213-0.
- Sci Rep. 2022 Jul 16;12(1):12197.

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- Harvard Medical School LINC'S LIBRARY

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

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