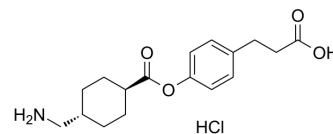


Cetraxate hydrochloride

Cat. No.:	HY-122762
CAS No.:	27724-96-5
Molecular Formula:	C ₁₇ H ₂₄ ClNO ₄
Molecular Weight:	341.83
Target:	Ser/Thr Protease
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 : 83.33 mg/mL (243.78 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.9254 mL	14.6272 mL	29.2543 mL
		5 mM	0.5851 mL	2.9254 mL	5.8509 mL
	10 mM	0.2925 mL	1.4627 mL	2.9254 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: ≥ 2.08 mg/mL (6.08 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.08 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.08 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Cetraxate hydrochloride (DV-1006), an orally active anti-ulcer agent with mucosal protective effects, can be used for gastric ulcers research ^[1] . Cetraxate hydrochloride is a potent acrosomal proteinase acrosin inhibitor with a K _i and an IC ₅₀ of 0.94 μM and 3.3 μM, respectively ^[2] .
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REFERENCES

[1]. Fumihiko Katagiri, et al. Cetraxate raises levels of calcitonin gene-related peptide and substance P in human plasma. J Pharm Pharmacol. 2004 Apr;56(4):557-61.

[2]. H Sumi, et al. Inhibitors of the acrosomal proteinase acrosin: human urinary trypsin inhibitor (UTI) and 4-(2-carboxyethyl) phenyl trans 4-aminomethylcyclohexanecarboxylate hydrochloride (DV-1006). *Experientia*. 1980 Sep 15;36(9):1103-4.

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

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