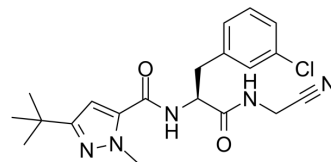


Cathepsin inhibitor 1

Cat. No.:	HY-100231		
CAS No.:	225120-65-0		
Molecular Formula:	C ₂₀ H ₂₄ ClN ₅ O ₂		
Molecular Weight:	401.89		
Target:	Cathepsin		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (248.82 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4882 mL	12.4412 mL	24.8824 mL
	5 mM	0.4976 mL	2.4882 mL	4.9765 mL
	10 mM	0.2488 mL	1.2441 mL	2.4882 mL

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

BIOLOGICAL ACTIVITY

Description

Cathepsin inhibitor 1 (compound 25) is a potent and selective inhibitor of Cathepsin, with pIC₅₀s of 7.9, 6.7, 6.0, 5.5 and 5.2 for CatL, CatL2, CatS, CatK, and CatB, respectively^[1].

REFERENCES

[1]. Asaad N, et, al. Dipeptidyl nitrile inhibitors of Cathepsin L. Bioorg Med Chem Lett. 2009 Aug 1;19(15):4280-3.

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