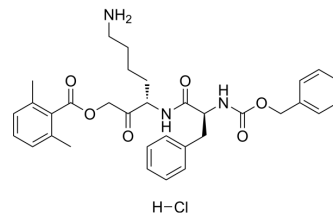


GB111-NH2 hydrochloride

Cat. No.:	HY-115454A
Molecular Formula:	C ₃₃ H ₄₀ ClN ₃ O ₆
Molecular Weight:	610.14
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (204.87 mM; Need ultrasonic)				
		Solvent	Mass		
		Concentration			
	Preparing Stock Solutions	1 mM	1.6390 mL	8.1948 mL	16.3897 mL
		5 mM	0.3278 mL	1.6390 mL	3.2779 mL
10 mM		0.1639 mL	0.8195 mL	1.6390 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: 5 mg/mL (8.19 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	GB111-NH2 hydrochloride is a cysteine cathepsin inhibitor, and can be used for cancer study ^[1] .
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REFERENCES

[1]. Salpeter SJ, et al. A novel cysteine cathepsin inhibitor yields macrophage cell death and mammary tumor regression. *Oncogene*. 2015;34(50):6066-6078.

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

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