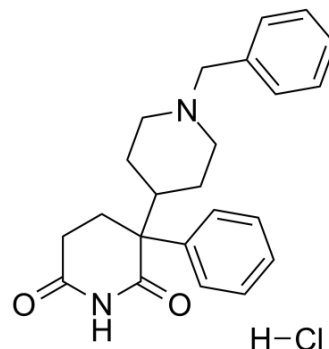


Benzetimide hydrochloride

Cat. No.:	HY-B1547A		
CAS No.:	5633-14-7		
Molecular Formula:	C ₂₃ H ₂₇ ClN ₂ O ₂		
Molecular Weight:	398.93		
Target:	mAChR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 32 mg/mL (80.21 mM)
 H₂O : 16.67 mg/mL (41.79 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5067 mL	12.5335 mL	25.0671 mL
	5 mM	0.5013 mL	2.5067 mL	5.0134 mL
	10 mM	0.2507 mL	1.2534 mL	2.5067 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: ≥ 2.08 mg/mL (5.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Benzetimide hydrochloride is a muscarinic acetylcholine receptor antagonist. Target: mAChR

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

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