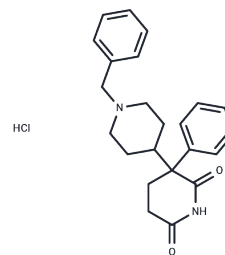


## Benzetimide hydrochloride

## Chemical Properties

CAS No. :	5633-14-7
Formula:	C <sub>23</sub> H <sub>27</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	398.93
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Benzetimide hydrochloride (R4929) is an antagonist of muscarinic acetylcholine receptor.treatment neuroleptic-induced parkinsonism.
Targets(IC50)	AChR

## Solubility Information

Solubility	DMSO: 32 mg/mL (80.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.01 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0501 mL	0.2507 mL	0.5013 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Klaassen A B M , Kuijpers W , Scheres H M E , et al. Cholinergic Receptors in the Upper Respiratory System of the Rat [J]. Archives of Otolaryngology - Head and Neck Surgery, 1986, 112(4):428-431.

Kovacs I , Yamamura H I , Waite S L , et al. Pharmacological comparison of the cloned rat and human M2 muscarinic receptor genes expressed in the murine fibroblast (B82) cell line[J]. Journal of Pharmacology and Experimental Therapeutics, 1998, 284(2):500-507.

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