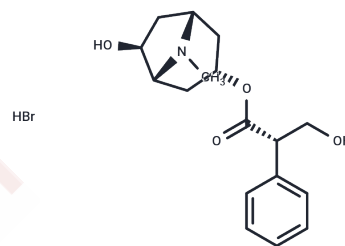


## Anisodamine Hydrobromide

### Chemical Properties

CAS No. :	55449-49-5
Formula:	C17H24BrNO4
Molecular Weight:	386.28
Storage:	Store at low temperature,Keep away from direct sunlight,Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Anisodamine Hydrobromide (6-Hydroxyhyoscyamine) is an anticholinergic and $\alpha$ 1-adrenergic receptor antagonist used in the treatment of acute circulatory shock.
Targets(IC50)	Adrenergic Receptor,AChR

### Solubility Information

Solubility	DMSO: 77 mg/mL (199.34 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 (5.18 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	2.5888 mL	12.944 mL	25.888 mL
5 mM	0.5178 mL	2.5888 mL	5.1776 mL
10 mM	0.2589 mL	1.2944 mL	2.5888 mL
50 mM	0.0518 mL	0.2589 mL	0.5178 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

Zhang WW, et al. Differential Neuropsychopharmacological Influences of Naturally Occurring Tropane Alkaloids Anisodamine Versus Scopolamine. *Neurosci Lett*. 2008 Oct 10;443(3):241-5.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481