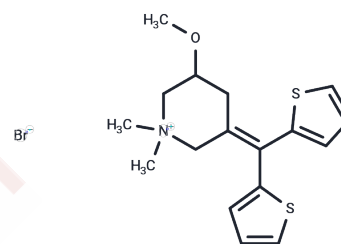


## Timepidium bromide

### Chemical Properties

CAS No. : 35035-05-3  
 Formula: C<sub>17</sub>H<sub>22</sub>BrNOS<sub>2</sub>  
 Molecular Weight: 400.4  
 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	Timepidium bromide is an agent of anticholinergic.
Targets(IC50)	AChR
In vivo	In normal rabbits, gastric blood flow is found to be uneven in various regions of the stomach: anterior corpus (50% of total gastric blood flow) greater than posterior corpus (40%) greater than pyloric antrum (7%). Intravenous administration of Timepidium bromide (200 µg/kg) to normal rabbits produces a slight increase in total gastric blood flow, but the increase in the mucosal layer of the pyloric antrum is considerable.

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4975 mL	12.4875 mL	24.975 mL
5 mM	0.4995 mL	2.4975 mL	4.995 mL
10 mM	0.2498 mL	1.2488 mL	2.4975 mL
50 mM	0.050 mL	0.2498 mL	0.4995 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

Naito K, et al. Effect of timepidium bromide, an anticholinergic agent, on gastric and duodenal blood flow distribution in rabbits. Jpn J Pharmacol. 1982 Feb;32(1):73-80.

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