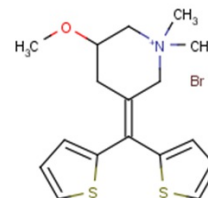


Timepidium bromide

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 35035-05-3 |
| Formula: | C ₁₇ H ₂₂ BrNOS ₂ |
| Molecular Weight: | 400.4 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|--|
| Description | Timepidium bromide is an agent of anticholinergic. |
| Targets(IC ₅₀) | Cholinergic: None |
| 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. |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 2.498 mL | 12.488 mL | 24.975 mL |
| 5 mM | 0.5 mL | 2.498 mL | 4.995 mL |
| 10 mM | 0.25 mL | 1.249 mL | 2.498 mL |
| 50 mM | 0.05 mL | 0.25 mL | 0.5 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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