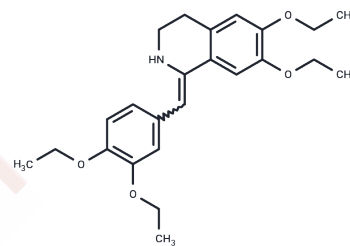


Drotaverine

Chemical Properties

CAS No. :	14009-24-6
Formula:	C ₂₄ H ₃₁ N ₃ O ₄
Molecular Weight:	397.51
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	Drotaverine Hydrochloride is a selective inhibitor of phosphodiesterase 4.
Targets(IC50)	Others,PDE

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5157 mL	12.5783 mL	25.1566 mL
5 mM	0.5031 mL	2.5157 mL	5.0313 mL
10 mM	0.2516 mL	1.2578 mL	2.5157 mL
50 mM	0.0503 mL	0.2516 mL	0.5031 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

Lajtai A, Mayer M, Lakatos Á, Porpáczy Z, Miseta A. Embutramide, a Component of Tanax® (T-61) as a New Drug of Abuse? *J Forensic Sci.* 2016 Mar;61(2):573-575. doi: 10.1111/1556-4029.13010. Epub 2016 Feb 1. PubMed PMID: 27404634.

Vijay Kumar R, Rao VU, Anil Kumar N, Venkata Subbaiah B. A Novel, Rapid, and Validated Stability-Indicating UPLC Method for the Estimation of Drotaverine Hydrochloride and Ibuprofen Impurities in Oral Solid Dosage Form. *Sci Pharm.* 2015 Apr 13;83(4):567-81. doi: 10.3797/scipharm.1503-02. Print 2015 Oct-Dec. PubMed PMID: 26839839; PubMed Central PMCID: PMC4727724.

Narang M, Shah D, Akhtar H. Efficacy and Safety of Drotaverine Hydrochloride in Children with Recurrent Abdominal Pain: A Randomized Placebo Controlled Trial. *Indian Pediatr.* 2015 Oct;52(10):847-51. PubMed PMID: 26499007.

Tomaszewski D, Bałkota M. Intramuscular Administration of Drotaverine Hydrochloride Decreases Both Incidence of Urinary Retention and Time to Micturition in Orthopedic Patients under Spinal Anesthesia: A Single Blinded Randomized Study. *Biomed Res Int.* 2015;2015:926953. doi: 10.1155/2015/926953. Epub 2015 Jun 21. PubMed PMID: 26185766; PubMed Central PMCID: PMC4491383.

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