

Roxatidine acetate

Chemical Properties

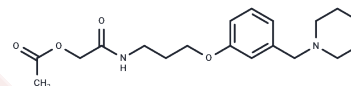
CAS No. : 78628-28-1

Formula: C₁₉H₂₈N₂O₄

Molecular Weight: 348.44

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	Roxatidine acetate is an anti-ulcer agent and histamine antagonist that inhibits gastric acid secretion. Compared to other similar drugs, Roxatidine acetate has an improved safety profile, in part because lower doses of roxatidine acetate are therapeutically effective.
Targets(IC50)	Others,Histamine Receptor

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	2.8699 mL	14.3497 mL	28.6993 mL
5 mM	0.574 mL	2.8699 mL	5.7399 mL
10 mM	0.287 mL	1.435 mL	2.8699 mL
50 mM	0.0574 mL	0.287 mL	0.574 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

Nakamura H, Kawashima H, Azuma R, Sato I, Nagao K, Miyazawa K. Pharmacokinetics of the H₂ blocker roxatidine acetate hydrochloride in pediatric patients, in comparison with healthy adult volunteers. *Drug Metab Pharmacokinet.* 2012;27(4):422-9. Epub 2012 Jan 31. PubMed PMID: 22293541.

Maheshwari A, Sharma M, Sharma D. Investigation of the binding of roxatidine acetate hydrochloride with cyclomaltoheptaose (β -cyclodextrin) using IR and NMR spectroscopy. *Carbohydr Res.* 2011 Sep 27;346(13):1809-13. doi: 10.1016/j.carres.2011.07.003. Epub 2011 Jul 18. PubMed PMID: 21816394.

Dammann HG, de Looze SM, Bender W, Labs R. Clinical characteristics of roxatidine acetate: a review. *Scand J Gastroenterol Suppl.* 1988;146:121-34. Review. PubMed PMID: 2906456.

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