

Z 300

Chemical Properties

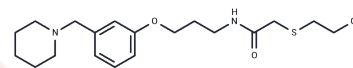
CAS No. : 127966-78-3

Formula: C₁₉H₃₀N₂O₃S

Molecular Weight: 366.52

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	Z 300 is a histamine H ₂ -receptor antagonist. Z 300 inhibits acid secretion and promotes gastric mucus metabolism in the corpus region.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7284 mL	13.6418 mL	27.2836 mL
5 mM	0.5457 mL	2.7284 mL	5.4567 mL
10 mM	0.2728 mL	1.3642 mL	2.7284 mL
50 mM	0.0546 mL	0.2728 mL	0.5457 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

Ichikawa T, et al. Effects of Z-300, a new histamine H₂-receptor antagonist, on mucin biosynthesis in rat gastric mucosa. *Jpn J Pharmacol.* 1994 May;65(1):63-6.

Zhou S, Forbes MW, Abbatt JP. Kinetics and Products from Heterogeneous Oxidation of Squalene with Ozone. *Environ Sci Technol.* 2016 Nov 1;50(21):11688-11697. Epub 2016 Oct 12. PubMed PMID: 27668450.

Deng P, Zhong D, Wang X, Dai Y, Zhou L, Leng Y, Chen X. Analysis of diacylglycerols by ultra performance liquid chromatography-quadrupole time-of-flight mass spectrometry: Double bond location and isomers separation. *Anal Chim Acta.* 2016 Jun 21;925:23-33. doi: 10.1016/j.aca.2016.04.051. Epub 2016 Apr 28. PubMed PMID: 27188314.

Li Z, Meng F, Zhang Y, Sun L, Yu L, Zhang Z, Peng S, Guo J. Simultaneous quantification of hyperin, reynoutrin and guaijaverin in mice plasma by LC-MS/MS: application to a pharmacokinetic study. *Biomed Chromatogr.* 2016 Jul;30(7):1124-30. doi: 10.1002/bmc.3660. Epub 2016 Jan 3. PubMed PMID: 26588877.

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