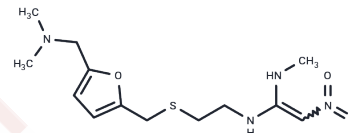


Ranitidine

Chemical Properties

CAS No. :	66357-35-5
Formula:	C ₁₃ H ₂₂ N ₄ O ₃ S
Molecular Weight:	314.4
Appearance:	no data available
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ranitidine (HSDB 3925) is a non-imidazole blocker of those histamine receptors that mediate gastric secretion (H ₂ receptors). It is used to treat gastrointestinal ulcers.
Targets(IC ₅₀)	Antibacterial,Histamine Receptor,Cytochromes P450

Solubility Information

Solubility	DMSO: 55 mg/mL (174.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1807 mL	15.9033 mL	31.8066 mL
5 mM	0.6361 mL	3.1807 mL	6.3613 mL
10 mM	0.3181 mL	1.5903 mL	3.1807 mL
50 mM	0.0636 mL	0.3181 mL	0.6361 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.

Reference

Fedorowicz Z. et al; Cochrane Database Syst Rev. 2012 Mar 14;(3):CD008596.
Tleyjeh IMPLoS One. 2013;8(3):e56498.

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