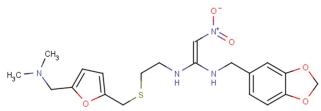
Data Sheet (Cat.No.T12228)

TargetMol
A DRUG SCREENING EXPERT

Niperotidine

Chemical Properties



CAS No.:	84845-75-0
Formula:	C20H26N4O5S
Molecular Weight:	434.51
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Niperotidine is an antagonist of histamine H2-receptor.
Targets(IC_{50})	histamine H2 receptor: None
In vivo	Niperotidine is an agent of H2 blocking. After oral administration, it reaches a plasmatic peak within 60-120 min and is eliminates either in the urine or in the faeces, with an enterohepatic circulation[1].

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.301 mL	11.507 mL	23.014 mL
5 mM	0.46 mL	2.301 mL	4.603 mL
10 mM	0.23 mL	1.151 mL	2.301 mL
50 mM	0.046 mL	0.23 mL	0.46 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Gasbarrini G, et al. Acute liver injury related to the use of Niperotidine. J Hepatol. 1997 Sep;27(3):583-6.
2. Palasciano G, et al. The effect of the H2-antagonist Niperotidine on intragastric acidity in healthy subjects undergoing 24-hour pH-monitoring. Ital J Gastroenterol. 1990 Oct;22(5):291-4.

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