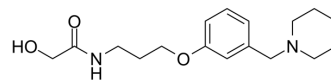


Roxatidine

Cat. No.:	HY-137941		
CAS No.:	78273-80-0		
Molecular Formula:	C ₁₇ H ₂₆ N ₂ O ₃		
Molecular Weight:	306.4		
Target:	Histamine Receptor		
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (326.37 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2637 mL	16.3185 mL	32.6371 mL
5 mM	0.6527 mL	3.2637 mL	6.5274 mL
10 mM	0.3264 mL	1.6319 mL	3.2637 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Roxatidine is an active metabolite of Roxatidine acetate hydrochloride, is a histamine H₂-receptor antagonist. Roxatidine, an anti-ulcer agent, suppresses histamine release (thus inhibiting proton secretion) and inhibits the production of VEGF-1, an important marker of inflammation and angiogenesis. Anti-allergic inflammatory effect^[1].

REFERENCES

[1]. Lee M, et al. Roxatidine attenuates mast cell-mediated allergic inflammation via inhibition of NF-κB and p38 MAPK activation. Sci Rep. 2017;7:41721. Published 2017 Jan 31.

Caution: Product has not been fully validated for medical applications. For research use only.

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