Product Datasheet

Roxatidine Acetate hydrochloride (orb1223585)

Catalog Number	orb1223585
Category	Small Molecules
Description	Roxatidine Acetate hydrochloride is a specific and competitive histamin H2-receptor antagonist, with IC50 of 3.2 μM, inhibits gastric acid secretion and ulcer formation.(In Vitro):Roxatidine Acetate Hydrochloride (0-120 μM, 1 h) suppresses inflammatory responses via inhibition of NF-κB and p38 MAPK activation in LPS-induced RAW 264.7 macrophages.Roxatidine Acetate Hydrochloride (6.25 μM, 12.5 μM, and 25 μM; pre-treatment for 30 min) suppresses the PMACI-induced activation of p38 MAPK, but does not affect the phosphorylation of ERK or JNK. The total ERK 1/2, JNK, and p38 MAPK levels are unaffected by roxatidine in human mast-cells-1 (HMC-1) cells.\n(In Vivo):Roxatidine Acetate Hydrochloride (0-300 mg/kg; p.o.; 26 days) suppressed growth of Colon 38 tumor implants in mice.Roxatidine Acetate Hydrochloride (oral gavage; 20 mg/kg; single dose) inhibits Compound 48/80-increased TNF-α, IL-6, and IL-1β production and mRNA expression. Additionally, Roxatidine Acetate Hydrochloride decreases the compound 48/80-induced degradation of procaspase-1 and appearance of the corresponding cleaved bands in mice.
Target	Histamine Receptor
Purity	>98% (HPLC)
MW	384.9
Target Areas	H2 receptor
Solubility (25°C)	Ethanol: 12 mg/mL (31.17 mM); Water: 77 mg/mL (200.05 mM); DMSO: 77 mg/mL (200.05 mM)
CAS Number	93793-83-0
Formula	$C_{19}H_{29}ClN_2O_4$

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SMILES	CC(=O)OCC(=O)NCCCOC1=CC=CC(=C1)CN2CCCCC2.Cl
Chemical Name	[2-oxo-2-[3-[3-(piperidin-1-ylmethyl)phenoxy]propylamino]ethyl] acetate;hydrochloride
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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