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Lodoxamide

产品编号: D51275

CAS: 53882-12-5

分子式: C11H6ClN3O6

纯度: ≥98%

InChi: InChI=1S/C11H6ClN3O6/c12-7-5(14-8(16)10(18)19)1-4(3-13)2-6(7)15-9(17)11(20)21/h1-2H,(H,14,16)(H,15,17)(H,18,19)(H,20,21)

InChi Key: RVGLGHVJXCETIO-UHFFFAOYSA-N

Smiles: N#CC1=CC(NC(=O)C(O)=O)=C(Cl)C(=C1)NC(=O)C(O)=O

外观: 固体粉末

作用通路: Histamine Receptor

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Lodoxamide is a potent agonist of GPR35 with an EC50 value of 1.61 nM in a β-arrestin-2 interaction assay using CHO-K1 cells expressing the human receptor. It inhibits histamine release induced by compound 48/80 (Item No. 22173), anti-IgE, or A23187 (Item No. 11016) in isolated rat peritoneal mast cells (IC50s = 0.1-50 µM) and inhibits A23187-induced calcium influx in mast cells. It reduces antigen-induced histamine release from rat conjunctival tissue by 46% in vitro when used at a concentration of 10 µg/ml. Lodoxamine (0.1 and 10%, w/v) reduces the immediate hypersensitivity response in rat conjunctiva in vivo in a dose-dependent manner and reduces mast cell degranulation in a topical ovalbumin challenge. Formulations containing lodoxamide have been used in the treatment of vernal conjunctivitis and keratitis.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.