

Product Datasheet

Loperamide hydrochloride (orb1310834)

Catalog Number	orb1310834
Category	Small Molecules
Description	Loperamide hydrochloride is a synthetic piperidine-based opioid receptor agonist used as an antidiarrheal agent. It is widely utilized in pharmacological research to study μ -opioid receptor function and gastrointestinal motility in both in vitro binding assays and in vivo animal models of diarrhea.
Target	Opioid Receptor, Autophagy
Purity	99.78% (May vary between batches)
MW	513.50
Target Areas	Autophagy Opioid Receptor
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:3.3 mg/mL (6.43 mM);DMSO:99 mg/mL (192.79 mM);Ethanol:10.3 mg/mL (20.06 mM)
CAS Number	34552-83-5
Formula	$C_{29}H_{34}Cl_2N_2O_2$
SMILES	<chem>Cl.CN(C)C(=O)C(CCN1CCC(O)(CC1)c1ccc(Cl)cc1)(c1ccccc1)c1ccccc1</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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