

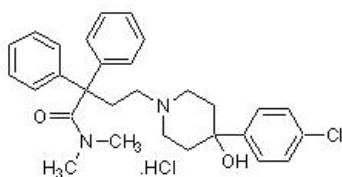
Product datasheet

Loperamide hydrochloride, mu opioid receptor agonist ab120713

1 Image

Overview

Product name	Loperamide hydrochloride, mu opioid receptor agonist
Description	Selective μ opioid receptor agonist
Biological description	Peripheral selective μ opioid receptor agonist. K_i values are 3, 48 and 1156 nM for opioid receptor subtypes μ , δ and κ , respectively. High doses allow central μ receptor activation. Antidiarrheal, antipruritic and antihyperalgesic agent.
Purity	> 99%
CAS Number	34552-83-5
Chemical structure	

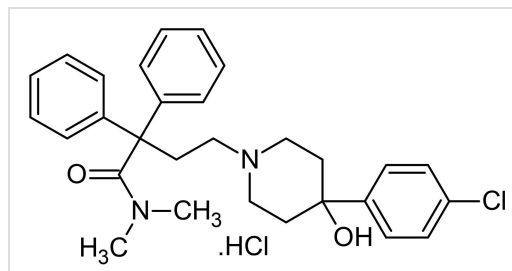


Properties

Chemical name	4-(4-Chlorophenyl)-4-hydroxy- <i>N,N</i> -dimethyl- α,α -diphenyl-1-piperidinebutanamide hydrochloride
Molecular weight	513.51
Molecular formula	$C_{29}H_{33}ClN_2O_2 \cdot HCl$
PubChem identifier	71420
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 50 mM and in ethanol to 50 mM (with warming)
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILESCN(C)C(=O)C(CCN1CCC(CC1)(C2=CC=C(C=C2)Cl)O)(C3=CC=CC=C3)C4=CC=CC=C4.Cl**Source**

Synthetic

Images

2D chemical structure image of ab120713, Loperamide hydrochloride, mu opioid receptor agonist

Chemical Structure - Loperamide hydrochloride, mu opioid receptor agonist (ab120713)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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