

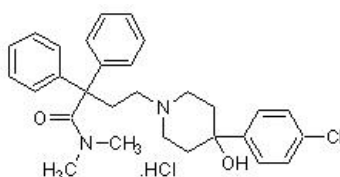
## Product datasheet

# Loperamide hydrochloride, mu opioid receptor agonist ab120713

1 Image

### Overview

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

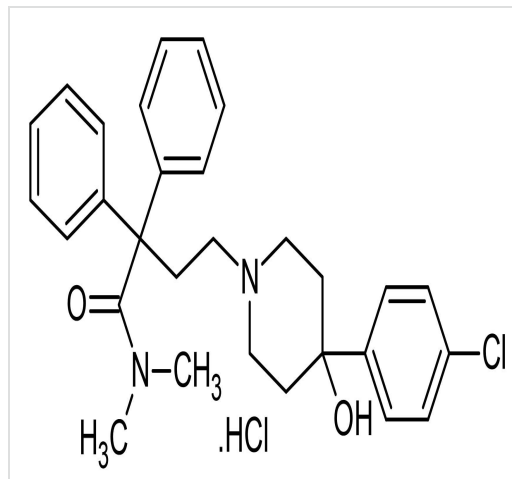


### Properties

<b>Chemical name</b>	4-(4-Chlorophenyl)-4-hydroxy- <i>N,N</i> -dimethyl- $\alpha,\alpha$ -diphenyl-1-piperidinebutanamide hydrochloride
<b>Molecular weight</b>	513.51
<b>Molecular formula</b>	$C_{29}H_{33}ClN_2O_2 \cdot HCl$
<b>PubChem identifier</b>	71420
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 50 mM and in ethanol to 50 mM (with warming)
<b>Handling</b>	<p>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.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

**SMILES**CN(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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