

Product Name: ICI 204,448 hydrochloride

Catalog No.: 0822

Batch No.: 5

CAS Number: 121264-04-8

IUPAC Name: (RS)-[3-[1-[[3,4-Dichlorophenyl)acetyl]methylamino]-2-(1-pyrrolidinyl)ethyl]phenoxy]acetic acid hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₆Cl₂N₂O₄.HCl

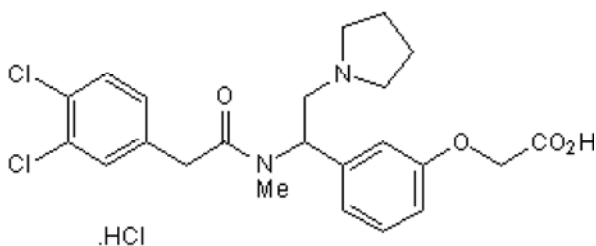
Batch Molecular Weight: 501.84

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.05	5.42	5.58
Found	54.78	5.25	5.55

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: (RS)-[3-[1-[[[(3,4-Dichlorophenyl)acetyl]methylamino]-2-(1-pyrrolidinyl)ethyl]phenoxy]acetic acid hydrochloride

Description:

Peripherally acting κ agonist.

Physical and Chemical Properties:

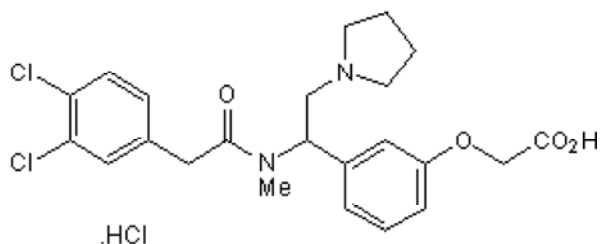
Batch Molecular Formula: C₂₃H₂₆Cl₂N₂O₄.HCl

Batch Molecular Weight: 501.84

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold with the permission of AstraZeneca UK Ltd.

References:

Keita et al (1995) Antinociceptive effect of a κ -opioid receptor agonist that minimally crosses the blood-brain barrier (ICI 204448) in a rat model of mononeuropathy. *Eur.J.Pharmacol.* **277** 275. PMID: 7493620.

Shaw et al (1989) ICI-204,448: a κ -opioid agonist with limited access to the CNS. *Br.J.Pharmacol.* **96** 986. PMID: 2568146.

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