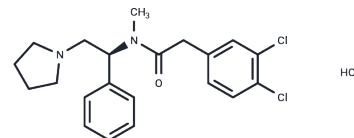


ICI 199,441 hydrochloride

Chemical Properties

CAS No. :	115199-84-3
Formula:	C ₂₁ H ₂₅ Cl ₃ N ₂ O
Molecular Weight:	427.8
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	ICI 199,441 hydrochloride is a potent, selective agonist of κ -opioid receptor.
Targets(IC ₅₀)	Opioid Receptor
In vivo	Administration of ICI 199,441 in a dose of 0.1 mg/kg 15 min before ischemia produced a potent antiarrhythmic effect in Wistar rats[1].

Solubility Information

Solubility	DMSO: 225 mg/mL (525.9 mM), Sonication is recommended. Ethanol: 50 mM, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3375 mL	11.6877 mL	23.3754 mL
5 mM	0.4675 mL	2.3375 mL	4.6751 mL
10 mM	0.2338 mL	1.1688 mL	2.3375 mL
50 mM	0.0468 mL	0.2338 mL	0.4675 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Tsibulnikov SY, et al. Prospects of Using of κ -Opioid Receptor Agonists U-50,488 and ICI 199,441 for Improving Heart Resistance to Ischemia/Reperfusion. Bull Exp Biol Med. 2015;159(6):718-721.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481