

Product Datasheet

ICI 199441 hydrochloride

Catalog No. **BP-02365A** · CAS **115199-84-3** · Form **salt** · **hydrochloride** · Physical state **other** · Color **White to off-white** · Version **1.0** · Revision **2026-09-10**

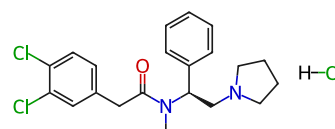
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Target Opioid Receptor	Research area Cardiovascular Disease; Neurological Disease
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Molecular formula **C₂₁H₂₅Cl₃N₂O**

Molecular weight **427.7950**

STRUCTURE



DESCRIPTION

ICI-199441 hydrochloride is a potent and selective κ -opioid receptor agonist with analgesic effects. ICI 199441 hydrochloride can improve heart resistance to ischemia/reperfusion.

BIOLOGICAL ACTIVITY

In Vivo

ICI-199441 (Wistar rats, 0.1 mg/kg, IV, once) hydrochloride administered 15 min before ischemia produces a potent antiarrhythmic effect

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 250 mg/mL

REFERENCES

- [1]. 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.
- [2]. Narita M, et al. Chronic pain induces anxiety with concomitant changes in opiodergic function in the amygdala. Neuropsychopharmacology. 2006 Apr;31(4):739-50.