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DATASHEET

CP 94253 dihydrochloride

Product overview

Name	CP 94253 dihydrochloride
Cat No	HB1671
Biological action	Agonist
Purity	>98%
Description	Potent, selective 5-HT _{1B} receptor agonist

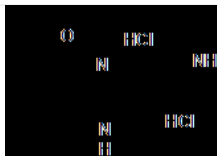
Biological Data

Biological description	Potent, selective 5-HT _{1B} receptor agonist (K_i values are 2, 89, 49, 860, and 1600 nM at 5-HT _{1B} , 5-HT _{1A} , 5-HT _{1D} , 5-HT _{1C} and 5-HT ₂ respectively). Reduces food intake, anticonvulsant and antidepressant-like effects. Active <i>in vivo</i> . Blood-brain barrier permeable.
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Solubility & Handling

Storage instructions	Room temperature (desiccate)
Solubility overview	Soluble in water (15mM) and DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	5-Propoxy-3-(1,2,3,6-tetrahydro-4-pyridinyl)-1H-pyrrolo[3,2-b]pyridine dihydrochloride
Molecular Weight	330.3
Chemical structure	

Molecular Formula	C ₁₅ H ₁₉ N ₃ O.2HCl
CAS Number	845861-39-4
PubChem identifier	11652258
SMILES	Cl.CCCOC1=CC=C2NC=C(C2=N1)C1=CCNCC1
InChiKey	PIIOXKQIZCVXMD-UHFFFAOYSA-N
Appearance	Pale yellow solid

References

Effect of 5-HT_{1B} receptor agonists injected into the prefrontal cortex on maternal aggression in rats.

Veiga CP *et al* (2007) Braz J Med Biol Res 40(6)

PubMedID

17581682

Biochemical and behavioral studies of the 5-HT_{1B} receptor agonist, CP-94,253

Koet *et al* (1992) Drug dev res 26(3)

Antidepressant-like effect of the selective 5-HT_{1B} receptor agonist CP 94253: a possible mechanism of action.

Tatarczyńska E *et al* (2005) Eur J Pharmacol 516(1)

PubMedID

15913599

Anticonvulsant effect of the selective 5-HT_{1B} receptor agonist CP 94253 in mice.

Wesołowska A *et al* (2006) Eur J Pharmacol 541(1-2)

PubMedID

16765343
