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# DATASHEET

## CP 94253 dihydrochloride

### Product overview

<b>Name</b>	CP 94253 dihydrochloride
<b>Cat No</b>	HB1671
<b>Biological action</b>	Agonist
<b>Purity</b>	>98%
<b>Description</b>	Potent, selective 5-HT <sub>1B</sub> receptor agonist

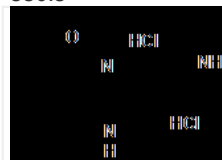
### Biological Data

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

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

### Chemical Data

<b>Chemical name</b>	5-Propoxy-3-(1,2,3,6-tetrahydro-4-pyridinyl)-1H-pyrrolo[3,2-b]pyridine dihydrochloride
<b>Molecular Weight</b>	330.3
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>19</sub> N <sub>3</sub> O.2HCl
<b>CAS Number</b>	845861-39-4
<b>PubChem identifier</b>	11652258
<b>SMILES</b>	Cl.CCCOC1=CC=C2NC=C(C2=N1)C1=CCNCC1
<b>InChiKey</b>	PIIOXKQIZCVXMD-UHFFFAOYSA-N
<b>Appearance</b>	Pale yellow solid

### References

#### Effect of 5-HT<sub>1B</sub> 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](#)

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

**Antidepressant-like effect of the selective 5-HT<sub>1B</sub> 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<sub>1B</sub> receptor agonist CP 94253 in mice.**

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

**PubMedID** [16765343](#)

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