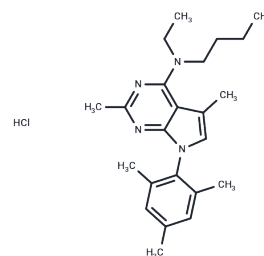


CP 154526 hydrochloride

Chemical Properties

CAS No. :	257639-98-8
Formula:	C ₂₃ H ₃₃ ClN ₄
Molecular Weight:	400.99
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CP 154526 hydrochloride is a blood-brain barrier-penetrant, selective CRF1 (corticotropin-releasing factor receptor 1) antagonist (K _i = 2.7 nM) exhibiting thousands of times greater selectivity for CRF1 over CRF2, with anxiolytic and antidepressant activities.
Targets(IC50)	CRFR
In vivo	CP 154526 hydrochloride (1-10 mg/kg, single intraperitoneal injection) demonstrated anxiolytic activity characteristics in the elevated plus maze behavioral test in rats [2].

Solubility Information

Solubility	DMSO: 80 mg/mL (199.51 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4938 mL	12.4691 mL	24.9383 mL
5 mM	0.4988 mL	2.4938 mL	4.9877 mL
10 mM	0.2494 mL	1.2469 mL	2.4938 mL
50 mM	0.0499 mL	0.2494 mL	0.4988 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

D W Schulz, et al. CP-154,526: a potent and selective nonpeptide antagonist of corticotropin releasing factor receptors. Proc Natl Acad Sci U S A. 1996 Sep 17;93(19):10477-82.

J Lundkvist, et al. A non peptidic corticotropin releasing factor receptor antagonist attenuates fever and exhibits anxiolytic-like activity. Eur J Pharmacol. 1996 Aug 8;309(2):195-200.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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