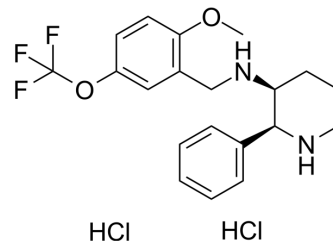


CP 122721 hydrochloride

Cat. No.:	HY-10049A
CAS No.:	145877-52-7
Molecular Formula:	C ₂₀ H ₂₅ Cl ₂ F ₃ N ₂ O ₂
Molecular Weight:	453.33
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CP 122721 hydrochloride is a potent, non-peptide and selective nonpeptide neurokinin NK1 antagonist, with a pIC ₅₀ of 9.8 for human NK1 receptor expressed in IM-9 cells. CP 122721 hydrochloride exhibits anxiolytic and antidepressant-like effects [1][2].
IC ₅₀ & Target	human NK1 9.8 (pIC ₅₀)

REFERENCES

- [1]. McLean S, et, al. Characterization of CP-122,721; a nonpeptide antagonist of the neurokinin NK1 receptor. *J Pharmacol Exp Ther*. 1996 May;277(2):900-8.
- [2]. Kamel A, et, al. Metabolism and excretion of CP-122,721, a non-peptide antagonist of the neurokinin NK1 receptor, in dogs: identification of the novel cleaved product 5-trifluoromethoxy salicylic acid in plasma. *Xenobiotica*. 2007 May;37(5):559-78.

Caution: Product has not been fully validated for medical applications. For research use only.

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