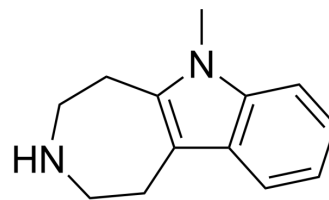


PNU-22394 hydrochloride

Cat. No.:	HY-103145
CAS No.:	15923-42-9
Molecular Formula:	C ₁₃ H ₁₇ ClN ₂
Molecular Weight:	236.74
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



H-Cl

BIOLOGICAL ACTIVITY

Description	PNU-22394 hydrochloride is an agonist for 5-HT, with K _i of 6.1 and 10 nM, for 5-HT _{2C} and 5-HT _{2A} , respectively ^[1] .
In Vivo	PNU-22394 hydrochloride exhibits agonistic efficacy for 5-HT _{2C} and 5-HT _{2A} , with EC ₅₀ of 7.7 and 23 nM (measured via the Fluo-4/Ca ²⁺ Assay), or 0.12 and 0.21 μM (measured via IP-One Assay), while the R _{max} is 97%-102% ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Ennis MD, et al., 2,3,4,5-tetrahydro- and 2,3,4,5,11,11a-hexahydro-1H-[1,4]diazepino[1,7-a]indoles: new templates for 5-HT(2C) agonists. *Bioorg Med Chem Lett*. 2003 Jul 21;13(14):2369-72.
- [2]. Jensen AA, et al., Design, synthesis, and pharmacological characterization of N- and O-substituted 5,6,7,8-tetrahydro-4H-isoxazolo[4,5-d]azepin-3-ol analogues: novel 5-HT(2A)/5-HT(2C) receptor agonists with pro-cognitive properties. *J Med Chem*. 2013 Feb 14;56(3):1211-27.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA