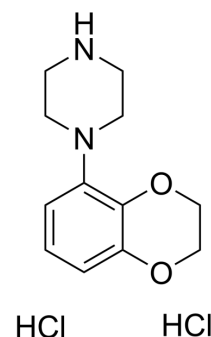


Eltoprazine dihydrochloride

Cat. No.:	HY-16687B
CAS No.:	143485-51-2
Molecular Formula:	C ₁₂ H ₁₈ Cl ₂ N ₂ O ₂
Molecular Weight:	293.19
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Eltoprazine (DU 28853) dihydrochloride is a 5-HT _{1A} /5-HT _{1B} receptors agonist and a 5-HT _{2C} receptor antagonist. Eltoprazine dihydrochloride shows antiaggressive and anxiogenic effects ^{[1][2]} .
In Vivo	Rats are chronically treated with Mianserin (10 mg/kg i.p.) or Eltoprazine (1 mg/kg i.p.) and are tested in the elevated plus-maze test for anxiety. Mianserin and Eltoprazine display opposite effects in the elevated plus-maze: Mianserin induces anxiolytic-like effects, while Eltoprazine shows anxiogenic-like ones ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sijbesma H, et al. Eltoprazine, a drug which reduces aggressive behaviour, binds selectively to 5-HT₁ receptor sites in the rat brain: an autoradiographic study. *Eur J Pharmacol.* 1990 Feb 20;177(1-2):55-66.

[2]. Rocha B, et al. Chronic mianserin or eltoprazine treatment in rats: effects on the elevated plus-maze test and on limbic 5-HT_{2C} receptor levels. *Eur J Pharmacol.* 1994 Sep 1;262(1-2):125-31.

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

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