(S)-Remoxipride hydrochloride

Cat. No.: HY-101313A

CAS No.: 73220-03-8

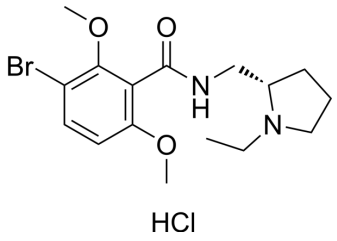
Molecular Formula: $C_{16}H_{24}BrClN_2O_3$

Molecular Weight: 407.73

Target: Dopamine Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(S)-Remoxipride ((-)-Remoxipride) hydrochloride is a selective dopamine D_2-receptor antagonist with an IC_{50} value of 1.57 μM. (S)-Remoxipride hydrochloride can be used for the research of psychotic disorder[1].
In Vitro	(S)-Remoxipride hydrochloride (1-100 μM; 20 min) shows binding efficiency with IC_{50}s of ⊠100, 1.57 and 42 μM for dopamine D_1, dopamine D_2 and α_1-Adrenoccptor, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	(S)-Remoxipride hydrochloride (0.1-100 μM/kg; i.p. 60 min prior to apomorphine) blockades apomorphine-induced behaviors s in rats and vomiting in dogs[1]. (S)-Remoxipride hydrochloride (0.1-10 mg/kg; i.p. 30 min prior to apomorphine) displaces [^{3}H]spiperone from both striatal and extra-striatal areas[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ogren SO, et al. Remoxipride, a new potential antipsychotic compound with selective antidopaminergic actions in the rat brain. Eur J Pharmacol. 1984 Jul 20;102(3-4):459-74.

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