# (S)-Remoxipride hydrochloride

**Cat. No.:** HY-101313A

**CAS No.:** 73220-03-8

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

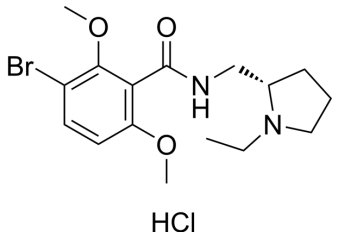
**Molecular Weight:** 407.73

**Target:** Dopamine Receptor

**Pathway:** GPCR/G Protein; Neuronal Signaling

**Storage:** 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)




## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 62.5 mg/mL (153.29 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 2.4526 mL | 12.2630 mL | 24.5260 mL |
| | 5 mM | 0.4905 mL | 2.4526 mL | 4.9052 mL |
| | 10 mM | 0.2453 mL | 1.2263 mL | 2.4526 mL |

Please refer to the solubility information to select the appropriate solvent.

## 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 $\alpha_1$-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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