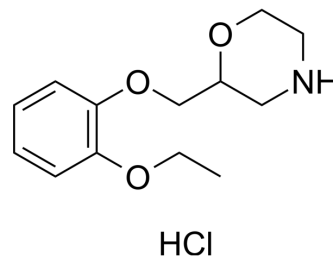


Viloxazine hydrochloride

Cat. No.:	HY-125784
CAS No.:	35604-67-2
Molecular Formula:	C ₁₃ H ₂₀ ClNO ₃
Molecular Weight:	273.76
Target:	Others
Pathway:	Others
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 : 33.33 mg/mL (121.75 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.6528 mL	18.2642 mL	36.5283 mL
	5 mM	0.7306 mL	3.6528 mL	7.3057 mL
	10 mM	0.3653 mL	1.8264 mL	3.6528 mL

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

BIOLOGICAL ACTIVITY

Description

Viloxazine hydrochloride is the hydrochloride salt form of Viloxazine (HY-W380450). Viloxazine (Viloxazin) hydrochloride is a norepinephrine reuptake inhibitor and a potent 5-HT_{2C} agonist agent and 5-HT_{2B} antagonist, EC₅₀ for 5-HT_{2C} b> is 32 μM, and the IC₅₀ for 5-HT_{2B} is 27 μM. Viloxazine hydrochloride's mechanism of action primarily involves serotonergic and noradrenergic pathways. Viloxazine hydrochloride is used in antidepressant research^{[1][2]}.

REFERENCES

- [1]. Yu C, et al. New Insights into the Mechanism of Action of Viloxazine: Serotonin and Norepinephrine Modulating Properties. *J Exp Pharmacol.* 2020 Aug 25;12:285-300.
- [2]. Pinder RM, et al. Viloxazine: a review of its pharmacological properties and therapeutic efficacy in depressive illness. *Drugs.* 1977 Jun;13(6):401-21.

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

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