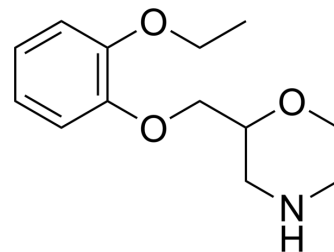


Viloxazine

Cat. No.:	HY-W380450
CAS No.:	46817-91-8
Molecular Formula:	C ₁₃ H ₁₉ NO ₃
Molecular Weight:	237.29
Target:	5-HT Receptor; Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Viloxazine (Viloxazin) is a norepinephrine reuptake inhibitor, also a potent 5-HT _{2C} agonist and 5-HT _{2B} antagonist with an EC ₅₀ of 32 μM and an IC ₅₀ of 27 μM for 5-HT _{2C} and 5-HT _{2B} , respectively. The mechanism of action of Viloxazine predominantly involves serotonergic and noradrenergic pathways. Viloxazine can be used for researching depression ^{[1][2]} .	
IC ₅₀ & Target	Human 5-HT _{2C} Receptor 32 μM (EC ₅₀)	human 5-HT _{2B} Receptor 27 μM (IC ₅₀)

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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