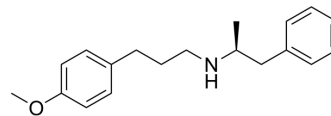


GZ-11608

Cat. No.:	HY-152171
CAS No.:	2141974-01-6
Molecular Formula:	C ₁₉ H ₂₅ NO
Molecular Weight:	283.41
Target:	Monoamine Transporter
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GZ-11608 is a potent and selective vesicular monoamine transporter-2 (VMAT2) inhibitor with high affinity (K _i = 25 nM). GZ-11608 decreases methamphetamine-induced dopamine release from isolated synaptic vesicles from brain dopaminergic neurons. GZ-11608 exhibits rapid brain penetration and without neurotoxicity. GZ-11608 can be used for the research of methamphetamine use disorder ^[1] .
IC ₅₀ & Target	K _i : 25 nM (VMAT2) ^[1]

REFERENCES

[1]. Lee NR, et al. GZ-11608, a Vesicular Monoamine Transporter-2 Inhibitor, Decreases the Neurochemical and Behavioral Effects of Methamphetamine. *J Pharmacol Exp Ther.* 2019 Nov;371(2):526-543.

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

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