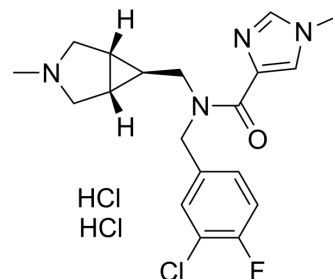


PF-03463275 hydrochloride

Cat. No.:	HY-10716
CAS No.:	1173177-11-1
Molecular Formula:	C ₁₉ H ₂₄ Cl ₃ FN ₄ O
Molecular Weight:	449.78
Target:	GlyT
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PF-03463275 hydrochloride is a centrally penetrant, orally available, selective, and competitive GlyT1 (glycine transporter-1) reversible inhibitor, with a K _i of 11.6 nM. PF-03463275 hydrochloride has the potential for Schizophrenia research ^{[1][2]} .
IC ₅₀ & Target	GLT1 116 nM (K _i)

REFERENCES

[1]. Lowe JA 3rd, et al. The discovery of a structurally novel class of inhibitors of the type 1 glycine transporter [published correction appears in Bioorg Med Chem Lett. 2009 Aug 15;19(16):4885. Bronk, Brian S [added]; Schaeffer, Eric [added]]. Bioorg Med Chem Lett. 2009;19(11):2974-2976.

[2]. Liu CN, Pettersen B, Seitis G, Osgood S, Soms C. GlyT1 inhibitor reduces oscillatory potentials of the electroretinogram in rats. Cutan Ocul Toxicol. 2014;33(3):206-211.

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

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