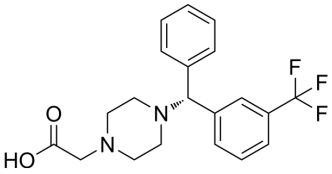
Tilapertin

Cat. No.:	HY-19887
CAS No.:	1000690-85-6
Molecular Formula:	$C_{20}H_{21}F_3N_2O_2$
Molecular Weight:	378.39
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	Tilapertin is an oral inhibitor of glycine transporter type-1 (GlyT1).
IC_{50} & Target	GlyT1
In Vivo	Tilapertin is a nanomolar potent, orally bioavailable and selective GlyT1 inhibitor. Oral administration of Tilapertin dose-dependently increases cerebrospinal fluid (CSF) glycine concentration in rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dunayevich E, et al. Efficacy and safety of the glycine transporter type-1 inhibitor AMG 747 for the treatment of negative symptoms associated with schizophrenia. Schizophr Res. 2017 Apr;182:90-97.

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