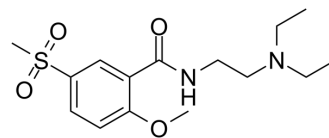


Tiapride

Cat. No.:	HY-B1196A
CAS No.:	51012-32-9
Molecular Formula:	C ₁₅ H ₂₄ N ₂ O ₄ S
Molecular Weight:	328.43
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tiapride, an atypical neuroleptic agent, is a selective dopamine D ₂ -receptor antagonist with little propensity for causing catalepsy and sedation. The IC ₅₀ values of Tiapride are 1440, 45.8, >100, and 11.7 μM for D ₁ ; D ₂ ; D ₃ ; D ₄ , respectively ^[1] .	
IC ₅₀ & Target	D ₂ Receptor 110-320 nM (IC ₅₀)	D ₃ Receptor 180 nM (IC ₅₀)

REFERENCES

- [1]. D H Peters, et al. Tiapride. A review of its pharmacology and therapeutic potential in the management of alcohol dependence syndrome. *Drugs*. 1994 Jun;47(6):1010-32.
- [2]. T Arima, et al. Comparison of effects of tiapride and sulpiride on D-1, D-2, D-3 and D-4 subtypes of dopamine receptors in rat striatal and bovine caudate nucleus membranes. *Jpn J Pharmacol*. 1986 Jul;41(3):419-23.

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

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