Tiapride

Cat. No.: HY-B1196A

CAS No.: 51012-32-9

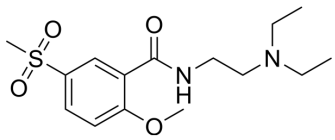
Molecular Formula: $C_{15}H_{24}N_2O_4S$

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 D2-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 D1; D2; D3; D4, 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.

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