

Tiapride-D3

Chemical Properties

CAS No. :

Formula: C15H21D3N2O4S

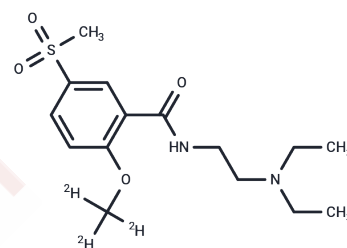
Molecular Weight: 331.45

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tiapride-D3 is a deuterated form of Tiapride (T60943), a selective dopamine D2 receptor antagonist and an antipsychotic compound.
Targets(IC50)	Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.017 mL	15.0852 mL	30.1705 mL
5 mM	0.6034 mL	3.017 mL	6.0341 mL
10 mM	0.3017 mL	1.5085 mL	3.017 mL
50 mM	0.0603 mL	0.3017 mL	0.6034 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Arima T, 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.
- Peters DH, Faulds D. Tiapride. A review of its pharmacology and therapeutic potential in the management of alcohol dependence syndrome. *Drugs.* 1994 Jun;47(6):1010-32.

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