

Anticonvulsant agent 8

Chemical Properties

CAS No. :

Formula: C₁₅H₁₁N₅O

Molecular Weight: 277.28

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	Anticonvulsant agent 8 (compound D4) is a chemical used in treating epilepsy by inhibiting GABAA currents. In mouse models, its ED50 values are 2.23 mg/kg for the maximal electroshock (MES) test and 24.60 mg/kg for the pentylenetetrazol (PTZ) test.
Targets(IC50)	GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6065 mL	18.0323 mL	36.0646 mL
5 mM	0.7213 mL	3.6065 mL	7.2129 mL
10 mM	0.3606 mL	1.8032 mL	3.6065 mL
50 mM	0.0721 mL	0.3606 mL	0.7213 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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