

Anticonvulsant agent 9

Chemical Properties

CAS No. :

Formula: C₂₂H₂₄N₄O₂

Molecular Weight: 376.45

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 9 (compound 4f) is an activator of the $\alpha 1\beta 2\gamma 2$ GABA _A receptor, with an EC ₅₀ value of 1.24 μ M. It inhibits the inactivation of Nav1.2 channels and exhibits significant anticonvulsant activity.
Targets(IC ₅₀)	GABA Receptor,Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6564 mL	13.282 mL	26.564 mL
5 mM	0.5313 mL	2.6564 mL	5.3128 mL
10 mM	0.2656 mL	1.3282 mL	2.6564 mL
50 mM	0.0531 mL	0.2656 mL	0.5313 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.

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