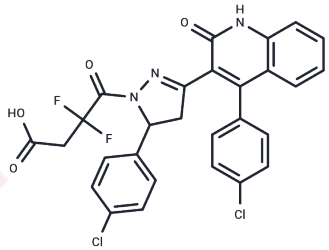
Data Sheet (Cat.No.T82528)

TargetMol

DQP-997-74

Chemical Properties



CAS No. : 2377187-09-0

Formula: C28H19Cl2F2N3O4

Molecular Weight: 570.37

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	Dihydroquinoline-pyrazoline DQP-997-74 (compound 2i) is a selective N-methyl-d-aspartate receptor (NMDAR) inhibitor that preferentially targets GluN2C/D subunits, with IC50 values of 0.069 μM and 0.035 μM, respectively, and possesses blood-brain barrier permeability. It enhances its inhibitory potency in a time-dependent manner when combined with the agonist glutamate, reducing epileptogenic events in a murine model of tuberous sclerosis complex (TSC)-induced epilepsy. DQP-997-74 is potentially applicable for the study of NMDAR-related neurological diseases [1].
Targets(IC50)	Others,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7532 mL	8.7662 mL	17.5325 mL
5 mM	0.3506 mL	1.7532 mL	3.5065 mL
10 mM	0.1753 mL	0.8766 mL	1.7532 mL
50 mM	0.0351 mL	0.1753 mL	0.3506 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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