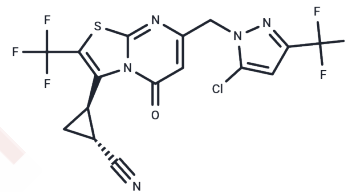


GNE-0723

Chemical Properties

CAS No. : 1883518-31-7
 Formula: C₁₆H₈ClF₆N₅O₅
 Molecular Weight: 467.78
 Appearance: no data available
 Storage: store at low temperature
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GNE 0723 is an NMDAR brain permeable positive allosteric modulator (EC ₅₀ : 21 nM for GluN2A; 7.4 and 6.2 μM for GluN2C and GluN2D, respectively).
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1378 mL	10.6888 mL	21.3776 mL
5 mM	0.4276 mL	2.1378 mL	4.2755 mL
10 mM	0.2138 mL	1.0689 mL	2.1378 mL
50 mM	0.0428 mL	0.2138 mL	0.4276 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.

Reference

Villemure E, et al. GluN2A-Selective Pyridopyrimidinone Series of NMDAR Positive Allosteric Modulators with an Improved in Vivo Profile. ACS Med Chem Lett. 2016 Oct 31;8(1):84-89.

Li J, Yu G, Wang L, et al. Enriched environment rescues bisphenol A induced anxiety-like behavior and cognitive impairment by modulating synaptic plasticity. Ecotoxicology and Environmental Safety. 2025, 289: 117427.

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