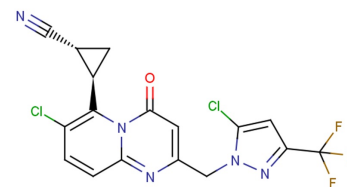


GNE 5729

**Chemical Properties**

CAS No.: 2026635-66-3  
Formula: C<sub>17</sub>H<sub>10</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>5</sub>O  
Molecular Weight: 428.2  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	GNE 5729 is an NMDAR of brain permeable positive allosteric modulator (EC <sub>50</sub> : 37 nM for GluN2A; 4.7 and 9.5 μM for GluN2C and GluN2D, respectively).
Targets(IC <sub>50</sub> )	GluN2A: (EC <sub>50</sub> ) 37 nM GluN2C: 4.7 μM (EC <sub>50</sub> ) GluN2D: 9.5 μM (EC <sub>50</sub> )

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.335 mL	11.677 mL	23.354 mL
5 mM	0.467 mL	2.335 mL	4.671 mL
10 mM	0.234 mL	1.168 mL	2.335 mL
50 mM	0.047 mL	0.234 mL	0.467 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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