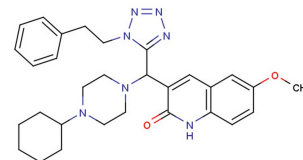


GT 949

Chemical Properties

CAS No.:	460330-27-2
Formula:	C30H37N7O2
Molecular Weight:	527.66
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	GT 949 is a selective excitatory positive allosteric modulator of amino acid transporter-2 (EAAT2) (EC50: 0.26 nM).
Targets(IC ₅₀)	EAAT2: (EC50)0.26±0.03 nM
In vitro	GT 949 is tested for its effect on glutamate uptake kinetics in EAAT2-transfected cells. GT 949 also displays selectivity to EAAT2 and has no effect on glutamate activity mediated by EAAT1 or EAAT3. GT 949 improves glutamate transport (EC50: 0.26 ± 0.03 nM) and it also increases glutamate transport in a non-competitive fashion, with an increase in V _{max} of about 47%.

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	1.895 mL	9.476 mL	18.952 mL
5 mM	0.379 mL	1.895 mL	3.79 mL
10 mM	0.19 mL	0.948 mL	1.895 mL
50 mM	0.038 mL	0.19 mL	0.379 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. Kortagere S, et al. Identification of Novel Allosteric Modulators of Glutamate Transporter EAAT2. ACS Chem Neurosci. 2018 Mar 21;9(3):522-534.

Inhibitors · Natural Compounds · Compound Libraries

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