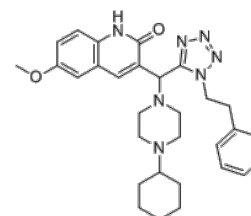


Product Name : GT949
Cat. No. : PC-49855
CAS No. : 460330-27-2
Molecular Formula : C₃₀H₃₇N₇O₂
Molecular Weight : 527.67
Target : Glutamate Transporter
Solubility : 10 mM in DMSO



Biological Activity

GT949 (GT-949) is a potent, selective activator (positive allosteric modulator) of EAAT2 with EC₅₀ of 0.26 nM in vitro glutamate uptake assays in COS cells overexpressing EAAT2.

GT949 demonstrates high potency to EAAT2 in the in vitro glutamate uptake assays in primary astrocytes with EC₅₀ of 1 nM. GT949 displays high selectivity to EAAT2 in comparison to other EAATs and did not have any functional effects on NMDA-mediated calcium response.

GT949 is a noncompetitive positive allosteric stimulator of EAAT2, specifically stimulates EAAT2-mediated transport and does not alter EAAT1- and EAAT3-mediated transport.

References

Sandhya Kortagere, et al. ACS Chem Neurosci. 2018 Mar 21;9(3):522-534.

Sanjay Da, et al. ACS Med Chem Lett. 2022 Sep 19;13(10):1628-1633.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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