

Product Data Sheet

Product Name: GT 949
Cat. No.: GC31075

Chemical Properties

Cas. No. 460330-27-2

SMILES O=C1NC2=C(C=C(OC)C=C2)C=C1C(N3CCN(C4CCCCC4)CC3)C5=NN=NN5CCC6=C
C=CC=C6

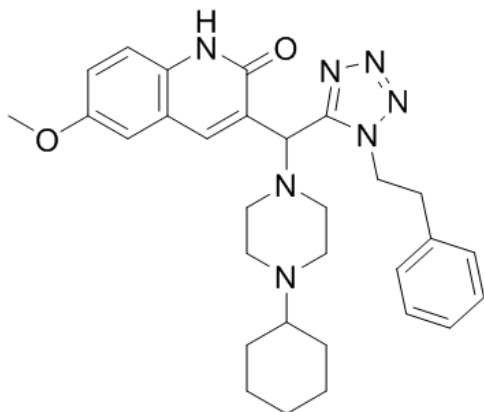
Formula $C_{30}H_{37}N_7O_2$ M.Wt 527.66

Solubility DMSO to 100 m; Methanol to 10 mM Storage Store at -20°C
with gentle warming

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

GT 949 is a selective excitatory amino acid transporter-2 (EAAT2) positive allosteric modulator with an EC₅₀ of 0.26 nM[1].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

GT 949 (GT949) enhances glutamate transport with an EC₅₀ of 0.26 ± 0.03 nM. GT 949 also demonstrates selectivity to EAAT2 and has no effect on glutamate activity mediated by EAAT1 or EAAT3[1]. GT 949 is also tested for its effect on glutamate uptake kinetics in EAAT2-transfected cells. GT 949 enhances glutamate transport in a noncompetitive fashion, with increase in V_{max} of about 47%[1].

[1]. Kortagere S, et al. Identification of Novel Allosteric Modulators of Glutamate Transporter EAAT2. ACS Chem Neurosci. 2018 Mar 21;9(3):522-534.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA