

GNE-3476

Chemical Properties

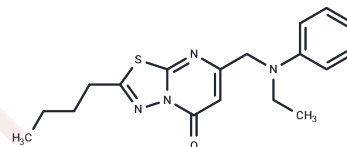
CAS No. : 951499-16-4

Formula: C₁₈H₂₂N₄O₅

Molecular Weight: 342.46

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	GNE-3476 is an NMDA receptor PAM. Ge-3476 has different degrees of activity on different receptors. GNE-3476 has relatively low efficacy on GluN2A, some activity as an AMPAR PAM, and weak activity at GluN2B-containing receptors.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.920 mL	14.6002 mL	29.2005 mL
5 mM	0.584 mL	2.920 mL	5.8401 mL
10 mM	0.292 mL	1.460 mL	2.920 mL
50 mM	0.0584 mL	0.292 mL	0.584 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Volgraf, M.; Sellers, B. D.; Jiang, Y.; Wu, G.; Ly, C. Q.; Villemure, E.; Pastor, R. M.; Yuen, P. W.; Lu, A.; Luo, X.; Liu, M.; Zhang, S.; Sun, L.; Fu, Y.; Lupardus, P. J.; Wallweber, H. J.; Liederer, B. M.; Deshmukh, G.; Plise, E.; Tay, S.; Reynen, P.; Herrington, J.; Gustafson, A.; Liu, Y.; Dirksen, A.; Dietz, M. G.; Liu, Y.; Wang, T. M.; Hanson, J. E.; Hackos, D.; Scarce-Levie, K.; Schwarz, J. B. Discovery of GluN2A-selective NMDA receptor positive allosteric modulators (PAMs): Tuning deactivation kinetics via structure-based design. *J. Med. Chem.* 2016, 59, 2760–2779.

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