
Product Data Sheet

Product Name: GNE 9278

Cat. No.: GC50433

Chemical Properties

Cas. No. 901230-11-3

SMILES OC(N1C2=NC(CCC)=N1)=C(C(C)=N2)N[S](=O)(C3=CC=C(C4CCCCC4)C=C3)=OFormula C₂₁H₂₇N₅O₃S

M.Wt 429.54

Solubility DMSO : 2 mg/mL (4.66 mM; ultrasonic and warming and heat to 60°C)

Storage Store at -20°C

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**

Positive allosteric modulator of NMDA receptors. Potentiates NMDA receptors containing GluN2A, 2B, 2C and 2D subunits (EC₅₀ values are 0.74, 3.07, 0.47 and 0.32 μM in a Ca²⁺ influx assay, respectively). Binds within the transmembrane domain and displays preference for agonist-bound NMDA receptors. Slows receptor deactivation and enhances the potency of glutamate and glycine.

Wang et al (2017) A novel NMDA receptor positive allosteric modulator that acts via the transmembrane domain. *Neuropharmacology*. 121 204 PMID:28457974

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

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