
Product Data Sheet

Product Name: Glutaminyl Cyclase Inhibitor 3

Cat. No.: GC36156

Chemical Properties

Cas. No. 2092921-50-9

SMILES COC1=C(OCCCCC2=CC(N)=NC=C2)C=CC(NC(NCCCN3C(C)=CN=C3)=S)=C1Formula C₂₄H₃₂N₆O₂S M.Wt 468.61

Solubility Soluble in DMSO 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 Glutaminyl Cyclase Inhibitor 3**Background**

Glutaminyl Cyclase Inhibitor 3 (compound 212), a designed anti-Alzheimer's compound, is a potent human Glutaminyl Cyclase (GC) inhibitor, with an IC₅₀ of 4.5 nM. Glutaminyl Cyclase-IN-1 (compound 212) significantly reduced the brain concentrations of pyroform A β and total A β and restored cognitive functions[1]. IC₅₀: 4.5 nM (hGC)[1].

[1]. Hoang VH, et al. Discovery of Potent Human Glutaminyl Cyclase Inhibitors as Anti-Alzheimer's Agents Based on Rational Design. J Med Chem. 2017 Mar 23;60(6):2573-2590.

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

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