

GSK-3 β inhibitor 24

Chemical Properties

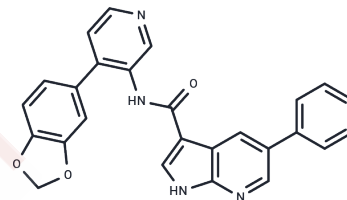
CAS No. :

Formula: C₂₆H₁₈N₄O₃

Molecular Weight: 434.446

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

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|---------------|--|
| Description | GSK-3 β inhibitor24 (Compound 41) is a potent GSK-3 β inhibitor with an IC ₅₀ of 0.22 nM. It increases GSK-3 β phosphorylation at the Ser9 site in a dose-dependent manner and inhibits tau protein hyperphosphorylation by reducing the abundance of p-tau-Ser396. The compound upregulates β -catenin and neurogenesis-related markers (GAP43 and MAP-2), demonstrating significant anti-Alzheimer's disease (AD) activity. |
| Targets(IC50) | Microtubule Associated,GSK-3,Wnt/beta-catenin |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3018 mL | 11.5088 mL | 23.0176 mL |
| 5 mM | 0.4604 mL | 2.3018 mL | 4.6035 mL |
| 10 mM | 0.2302 mL | 1.1509 mL | 2.3018 mL |
| 50 mM | 0.046 mL | 0.2302 mL | 0.4604 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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