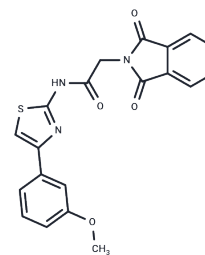


GSK-3 β inhibitor 11

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 536731-65-4 |
| Formula: | C ₂₀ H ₁₅ N ₃ O ₄ S |
| Molecular Weight: | 393.42 |
| 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 | GSK-3 β inhibitor 11 (compound 21) is a potent glycogen synthase kinase-3 β (GSK-3 β) inhibitor with an IC ₅₀ of 10.02 μ M, demonstrating potential utility in neurodegenerative disease research [1]. |
| Targets(IC ₅₀) | GSK-3 |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 3.94 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5418 mL | 12.7091 mL | 25.4181 mL |
| 5 mM | 0.5084 mL | 2.5418 mL | 5.0836 mL |
| 10 mM | 0.2542 mL | 1.2709 mL | 2.5418 mL |
| 50 mM | 0.0508 mL | 0.2542 mL | 0.5084 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

Fu G, et al. Pharmacophore Modeling, Ensemble Docking, Virtual Screening, and Biological Evaluation on Glycogen Synthase Kinase-3 β . Mol Inform. 2014 ; 33(9):610-626.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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