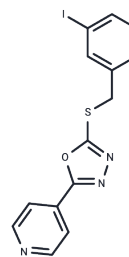


GSK3 β inhibitor II

Chemical Properties

CAS No. :	478482-75-6
Formula:	C ₁₄ H ₁₀ IN ₃ O ₃ S
Molecular Weight:	395.22
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	GSK3 β inhibitor II is a GSK3 β inhibitor. GSK3 β inhibitor II exhibits the research potential of Alzheimer's disease (AD).
Targets(IC50)	GSK-3
In vitro	GSK3 β Inhibitor II exhibits hydrophobic interactions with Ile62, Phe67, Val70, Ala83, and Leu188, ionic interactions with Lys85, and hydrogen bonding interactions with Lys85 and Val135 residues. GSK3 β Inhibitor II forms a hydrogen bond with Val135 [1].

Solubility Information

Solubility	DMSO: 5.5 mg/mL (13.92 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5302 mL	12.6512 mL	25.3024 mL
5 mM	0.506 mL	2.5302 mL	5.0605 mL
10 mM	0.253 mL	1.2651 mL	2.5302 mL
50 mM	0.0506 mL	0.253 mL	0.506 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

Elangovan ND, et al. Screening of potential drug for Alzheimer's disease: a computational study with GSK-3 β inhibition through virtual screening, docking, and molecular dynamics simulation. J Biomol Struct Dyn. 2021 Nov; 39(18):7065-7079.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481