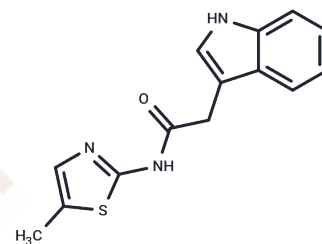


GSK-3 β inhibitor 12

Chemical Properties

CAS No. :	784170-07-6
Formula:	C ₁₄ H ₁₃ N ₃ O ₅
Molecular Weight:	271.34
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 12 is a selective GSK-3 β inhibitor. GSK-3 β inhibitor 12 inhibits 49.11% of 25 μ M GSK-3 β activity and 37.11% of 50 μ M GSK-3 β activity. GSK-3 β inhibitor 12 can be used for the study of Parkinson's in the presence of lipopolysaccharide induction.
Targets(IC ₅₀)	GSK-3

Solubility Information

Solubility	DMSO: 50 mg/mL (184.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6854 mL	18.4271 mL	36.8541 mL
5 mM	0.7371 mL	3.6854 mL	7.3708 mL
10 mM	0.3685 mL	1.8427 mL	3.6854 mL
50 mM	0.0737 mL	0.3685 mL	0.7371 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

Martinez Gil A, et al. N-(2-Thiazolyl)-amide derivatives as GSK-3 inhibitors. EP20060380099.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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