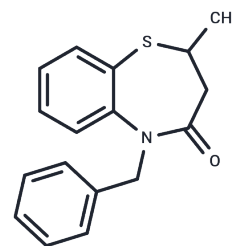


GSK-3 β inhibitor 14

Chemical Properties

CAS No. :	863004-48-2
Formula:	C ₁₇ H ₁₇ NOS
Molecular Weight:	283.39
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 14 (1,5-Benzothiazepin-4(5H)-one, 2,3-dihydro-2-methyl-5-(phenylmethyl)-) is a weak GSK-3 β inhibitor, IC ₅₀ > 100 μ M.
Targets(IC ₅₀)	GSK-3

Solubility Information

Solubility	DMSO: 2.88 mg/mL (10.16 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	3.5287 mL	17.6435 mL	35.2871 mL
5 mM	0.7057 mL	3.5287 mL	7.0574 mL
10 mM	0.3529 mL	1.7644 mL	3.5287 mL
50 mM	0.0706 mL	0.3529 mL	0.7057 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

Zhang P, et al. Design, synthesis and biological evaluation of benzothiazepinones (BTZs) as novel non-ATP competitive inhibitors of glycogen synthase kinase-3 β (GSK-3 β). Eur J Med Chem. 2013 Mar;61:95-103.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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