Data Sheet (Cat.No.T67856)



GSK-3β inhibitor 14

Chemical Propert	lies	
CAS No. :	863004-48-2	s CH ₃
Formula:	C17H17NOS	
Molecular Weight:	283.39	N N
Appearance:	no data available	°
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological DescriptionDescriptionGSK-3β inhibitor 14 (1,5-Benzothiazepin-4(5H)-one, 2,3-dihydro-2-methyl-5-
(phenylmethyl)-) is a weak GSK-3β inhibitor, IC50> 100μM.Targets(IC50)GSK-3

Solubility Information					
Solubility	DMSO: 2.7 mg/mL (9.5 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)				

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.

Reference

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

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