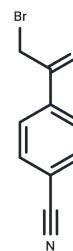


GSK-3 Inhibitor 5

Chemical Properties

CAS No. :	20099-89-2
Formula:	C ₉ H ₆ BrNO
Molecular Weight:	224.05
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	GSK-3 Inhibitor 5 (4-Cyanophenacyl bromide) is a ketone derivative that is used as an intermediate in pharmaceuticals and organic synthesis, and inhibits glycogen synthase kinase 3 (GSK-3).
Targets(IC50)	GSK-3

Solubility Information

Solubility	DMSO: 55 mg/mL (245.48 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4633 mL	22.3164 mL	44.6329 mL
5 mM	0.8927 mL	4.4633 mL	8.9266 mL
10 mM	0.4463 mL	2.2316 mL	4.4633 mL
50 mM	0.0893 mL	0.4463 mL	0.8927 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

Bera P, et al. Synthesis, structure elucidation and dft study of a new thiazole-pyridine anchored nnn donor and it's cobalt (II) complex: In-vitro antitumor activity against U937 cancer cells, dna binding property and molecular

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