

Pin1 modulator 1

Chemical Properties

CAS No. :	301688-74-4
Formula:	C ₁₈ H ₁₅ NO ₃ S ₂
Molecular Weight:	357.44
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Pin1 modulator 1 is an effective Pin1 inhibitor. It regulates cell cycle and signaling by inhibiting Pin1-mediated conformational changes, used for cancer and neurodegeneration research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (223.81 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	2.7977 mL	13.9884 mL	27.9767 mL
5 mM	0.5595 mL	2.7977 mL	5.5953 mL
10 mM	0.2798 mL	1.3988 mL	2.7977 mL
50 mM	0.056 mL	0.2798 mL	0.5595 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

Bhagat K, et al. Microwave-assisted synthesis of 11-substituted-3,3-dimethyl-2,3,4,5,10,11-hexahydrodibenzo[b,e][1,4]diazepin-1-one derivatives catalysed by silica supported fluoroboric acid as potent antioxidant and anxiolytic agents. Med Chem Res 28, 2200-2217 (2019).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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