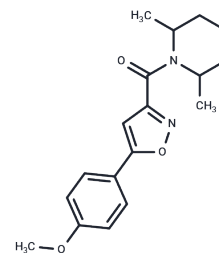


ER proteostasis regulator-1

Chemical Properties

CAS No. :	912777-95-8
Formula:	C ₁₈ H ₂₂ N ₂ O ₃
Molecular Weight:	314.38
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	ER proteostasis regulator-1 is an effective modulator of ER proteostasis. It balances the UPR pathway to reduce misfolded protein accumulation, protecting cells from proteotoxicity in neurodegenerative disease research.
Targets(IC50)	Estrogen/progestogen Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (254.47 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	3.1809 mL	15.9043 mL	31.8086 mL
5 mM	0.6362 mL	3.1809 mL	6.3617 mL
10 mM	0.3181 mL	1.5904 mL	3.1809 mL
50 mM	0.0636 mL	0.3181 mL	0.6362 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

Ramesh Navudu, et al. Synthesis, Anticancer and Antioxidant Evaluation of Some New 2-Aryl and 2-Pyrazole-2,3-dihydroquinazolin-4(1H)-ones. Asian Journal of Chemistry. 2016, 28(6). 1321-1324.

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