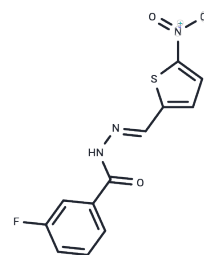


MitoBloCK-10

Chemical Properties

CAS No. :	394694-98-5
Formula:	C ₁₂ H ₈ FN ₃ O ₃ S
Molecular Weight:	293.27
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	MitoBloCK-10 (3-fluoro-N'-[(E)-(5-nitrothiophen-2-yl)m]m) inhibits Tim44 binding to the precursor and to Hsp70. MitoBloCK-10 is the first small molecule modulator to attenuate protein-associated motor (PAM) complex activity.
Targets(IC50)	Others,HSP

Solubility Information

Solubility	DMSO: 10 mg/mL (34.1 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	3.4098 mL	17.0491 mL	34.0983 mL
5 mM	0.682 mL	3.4098 mL	6.8197 mL
10 mM	0.341 mL	1.7049 mL	3.4098 mL
50 mM	0.0682 mL	0.341 mL	0.682 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

Non Miyata, et al. Adaptation of a Genetic Screen Reveals an Inhibitor for Mitochondrial Protein Import Component Tim44. J Biol Chem. 2017 Mar 31;292(13):5429-5442.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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