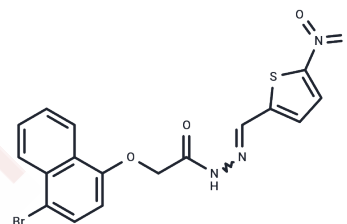


MitoBloCK-11 (MB-11)

Chemical Properties

CAS No. :	413606-16-3
Formula:	C ₁₇ H ₁₂ BrN ₃ O ₄ S
Molecular Weight:	434.26
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-11 (MB-11) is a small molecule inhibitor of mitochondrial protein import possibly acts through transport protein Seo1, but not Tom70 or Tom20; inhibits precursor proteins that contain hydrophobic segments, confers growth in media lacking uracil in a specific manner and affects zebrafish development.
Targets(IC50)	PTEN,Others

Solubility Information

Solubility	DMSO: 25 mg/mL (57.57 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	2.3028 mL	11.5138 mL	23.0277 mL
5 mM	0.4606 mL	2.3028 mL	4.6055 mL
10 mM	0.2303 mL	1.1514 mL	2.3028 mL
50 mM	0.0461 mL	0.2303 mL	0.4606 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

Conti, M. (2018). Small Molecule Probes of Mitochondrial Translocases Elucidate PINK1 Trafficking in PINK1/Parkin Regulated Mitophagy. *UCLA*. 2. Miyata N, et al. *J Biol Chem*. 2017 Mar 31;292(13):5429-5442. View Related Products by Target Other Target

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