Data Sheet (Cat.No.T16423)

TargetMol

p32 Inhibitor M36

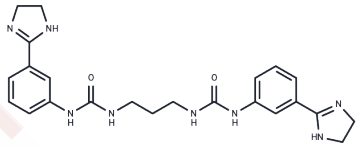
Chemical Properties

CAS No. : 802555-85-7

Formula: C23H28N8O2

Molecular Weight: 448.52

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	p32 inhibitor M36 is an inhibitor of p32 mitochondrial protein. It binds directly to p32 and inhibits the p32 association with LyP-1.
Targets(IC50)	Others,PKC
In vitro	p32 Inhibitor M36 is selective for p32 overexpressing cells. p32 Inhibitor M36 inhibits SF188 glioma cell proliferation (IC50: 77.9 μM in complete media) and is much more potent under low glucose conditions (IC50: 7.3 μM). p32 Inhibitor M36 is also a potent inhibitor of patient-derived neurospheres (IC50: 2.8 μM)[1].

Solubility Information

Solubility	DMSO: 5 mg/mL (11.15 mM),Sonication and heating to 80°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2296 mL	11.1478 mL	22.2955 mL
5 mM	0.4459 mL	2.2296 mL	4.4591 mL
10 mM	0.223 mL	1.1148 mL	2.2296 mL
50 mM	0.0446 mL	0.223 mL	0.4459 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

Yenugonda V,et al. A novel small molecule inhibitor of p32 mitochondrial protein overexpressed in glioma. J Transl Med. 2017 Oct 18;15(1):210.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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