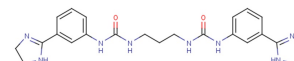


## p32 Inhibitor M36

## Chemical Properties

CAS No.:	802555-85-7
Formula:	C <sub>23</sub> H <sub>28</sub> N <sub>8</sub> O <sub>2</sub>
Molecular Weight:	448.52
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## 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(IC <sub>50</sub> )	p32: None
In vitro	p32 Inhibitor M36 is selective for p32 overexpressing cells. p32 Inhibitor M36 inhibits SF188 glioma cell proliferation (IC <sub>50</sub> : 77.9 $\mu$ M in complete media) and is much more potent under low glucose conditions (IC <sub>50</sub> : 7.3 $\mu$ M). p32 Inhibitor M36 is also a potent inhibitor of patient-derived neurospheres (IC <sub>50</sub> : 2.8 $\mu$ M)[1].

## Solubility Information

Solubility	DMSO: 5 mg/mL (11.15 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.23 mL	11.148 mL	22.296 mL
5 mM	0.446 mL	2.23 mL	4.459 mL
10 mM	0.223 mL	1.115 mL	2.23 mL
50 mM	0.045 mL	0.223 mL	0.446 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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