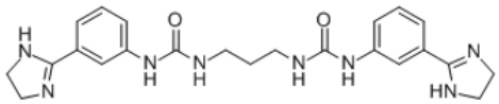
Product Data Sheet

Product Name: p32 Inhibitor M36
Cat. No.: GC36833

Chemical Properties

Cas. No.	802555-85-7		
SMILES	O=C(NCCCNC(NC1=CC=CC(C2=NCCN2)=C1)=O)NC3=CC=CC(C4=NCCN4)=C3		
Formula	$C_{23}H_{28}N_8O_2$	M.Wt	448.52
Solubility	DMSO: 5 mg/mL (11.15 mM; ultrasonic and warming and heat to 80°C)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

p32 inhibitor M36 (M36) is a p32 mitochondrial protein inhibitor, which binds directly to p32 and inhibits p32 association with LyP-1[1]. p32[1]

p32 Inhibitor M36 inhibits SF188 glioma cells proliferation (IC50 of 77.9 μM in complete media) and is much more potent under low glucose conditions with an IC50 of 7.3 μM[1]. p32 Inhibitor M36 is

selective for p32 overexpressing cells[1].p32 Inhibitor M36 is also a potent inhibitor of patient-derived neurospheres with an IC50 of 2.8 μM[1].

[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.