

MW108

Chemical Properties

CAS No. : 1454658-89-9

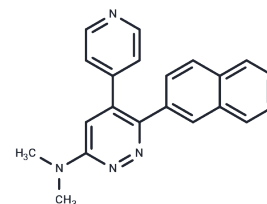
Formula: C₂₁H₁₉ClN₄

Molecular Weight: 362.86

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	MW108 is an active site targeted, CNS-active, p38αMAPK inhibitor.
Targets(IC50)	Others,p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7559 mL	13.7794 mL	27.5588 mL
5 mM	0.5512 mL	2.7559 mL	5.5118 mL
10 mM	0.2756 mL	1.3779 mL	2.7559 mL
50 mM	0.0551 mL	0.2756 mL	0.5512 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

Kheiri G, Dolatshahi M, Rahmani F, Rezaei N. Role of p38/MAPKs in Alzheimer's disease: implications for amyloid beta toxicity targeted therapy. *Rev Neurosci*. 2018 May 28. pii: /j/revneuro.ahead-of-print/revneuro-2018-0008/revneuro-2018-0008.xml. doi: 10.1515/revneuro-2018-0008. [Epub ahead of print] PubMed PMID: 29804103.

Watterson DM, Grum-Tokars VL, Roy SM, Schavocky JP, Bradaric BD, Bachstetter AD, Xing B, Dimayuga E, Saeed F, Zhang H, Staniszewski A, Pelletier JC, Minasov G, Anderson WF, Arancio O, Van Eldik LJ. Development of Novel In Vivo Chemical Probes to Address CNS Protein Kinase Involvement in Synaptic Dysfunction. *PLoS One*. 2013 Jun 26;8(6):e66226. doi: 10.1371/journal.pone.0066226. Print 2013. PubMed PMID: 23840427; PubMed Central PMCID: PMC3694096.

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