

Product Name : MW181

Synonyms : MW01-10-181SRM

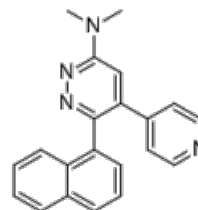
Cat No. : M11961

CAS Number : 1454658-87-7

Molecular Formula : C₂₁H₁₈N₄

Formula Weight : 326.40

Chemical Name : N,N-dimethyl-6-(naphthalen-1-yl)-5-(pyridin-4-yl)pyridazin-3-amine



Description : MW181 (MW01-10-181SRM) is an isoform-selective, brain-permeable, and orally bioavailable small molecule inhibitor of p38α MAPK with K_i of 184 nM, no affinity for CK1δ; suppresses p38α MAPK activation, reduces tau phosphorylation, and decreases proinflammatory cytokine production, suppresses LPS-induced increases in mouse brain IL-1β, TNFα, IL-6, IL-10, and CXCL1 in mice, significantly increases synaptophysin protein expression and prevents cognitive impairment in the aged hTau mice.

Pathway : MAPK/ERK Signaling

Target : p38 MAPK

Receptor : p38 MAPK

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Maphis N, et al. *Alzheimers Res Ther.* 2016 Dec 15;8(1):54. | 2. Bachstetter AD, et al. *J Neuroimmune Pharmacol.* 2014 Sep;9(4):454-60. | 3. Watterson DM, et al. *PLoS One.* 2013 Jun 26;8(6):e66226.