

Product Name : MNK inhibitor 9

Synonyms : —

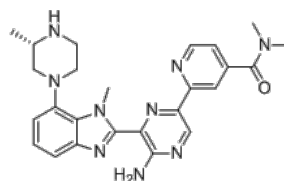
Cat No. : M12960

CAS Number : 1889336-59-7

Molecular Formula : C₂₅H₂₉N₉O

Formula Weight : 471.57

Chemical Name : (S)-2-(5-Amino-6-(1-methyl-7-(3-methylpiperazin-1-yl)-1H-benzo[d]imidazol-2-yl)pyrazin-2-yl)-N,N-dimethylisonicotinamide



Description : MNK inhibitor 9 is a potent, selective MAPK-interacting kinase (MNK1 and MNK2) inhibitor with IC₅₀ of 3 nM for both, with no activity against CDK1/2 (IC₅₀>25 μM); displays excellent selectivity against a 53 kinase panel, with 4 kinases with IC₅₀ <1 μM; inhibits eIF4E phosphorylation in KMS11-luc myeloma with IC₅₀ of 0.6 nM, exhibits inhibition of cell proliferation in human multiple myeloma tumor cell line with EC₅₀ of 1.7 μM; has good solubility and permeability, and is a suitable in vivo tool compound.

Pathway : MAPK/ERK Signaling

Target : MNK

Receptor : MNK

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Han W, et al. J Med Chem. 2016 Apr 14;59(7):3034-45.