

Product Name : SR-3306

Synonyms : SR3306

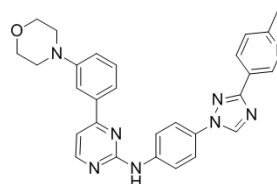
Cat No. : M10448

CAS Number : 1128096-91-2

Molecular Formula : C₂₈H₂₆N₈O

Formula Weight : 490.56

Chemical Name : 2-Pyrimidinamine, N-[4-[3-(6-methyl-3-pyridinyl)-1H-1,2,4-triazol-1-yl]phenyl]-4-[3-(4-morpholinyl)phenyl]-



Description : SR-3306 is a highly selective, brain penetrant, potent inhibitor of JNK with IC₅₀ of 67, 283 and 159 nM for JNK1, JNK2 and JNK3, >100-fold selectivity over p38; shows cell-based IC₅₀ of 216 nM, protects dopaminergic neurons against MPTP neurotoxicity in vitro and in vivo, achieves dopaminergic neuronal survival in the 6-OHDA model; also prevents ROS increases and mitochondrial dysfunction.

Pathway : MAPK/ERK Signaling

Target : JNK

Receptor : JNK

Solubility : 10 mM in DMSO

SMILES : CC1=CC=C(C2=NN(C3=CC=C(NC4=NC=CC(C5=CC=CC(N6CCOCC6)=C5)=N4)C=C3)C=N2)C=N1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Crocker CE, et al. ACS Chem Neurosci. 2011 Apr 20;2(4):207-212. | 2. Chambers JW, et al. J Biol Chem. 2013 Feb 8;288(6):4000-11. | 3. Gao S, et al. Sci Rep. 2017 Feb 6;7:41795. | 4. Chambers JW, et al. ACS Chem Neurosci. 2011 Apr 20;2(4):198-206.