

产品名称 : MK2-IN-1 hydrochloride

同义词 : MK2 Inhibitor

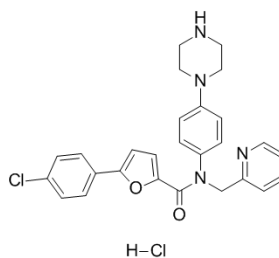
产品货号 : M11261

CAS Number : 1314118-94-9

分子式 : C₂₇H₂₆Cl₂N₄O₂

分子量 : 509.4269

化学全名 : 2-Furancarboxamide, 5-(4-chlorophenyl)-N-[4-(1-piperazinyl)phenyl]-N-(2-pyridinylmethyl)-, hydrochloride (1:1)



产品描述 : MK2-IN-1 is a potent, selective, non-ATP competitive MAPKAPK2(MK2) inhibitor with IC₅₀ of 0.11 μM; shows excellent kinase selectivity against a broad panel of 150 protein kinases at 10 μM with only on exception of CK1γ3 >50 % inhibition; inhibits pro-inflammatory cytokine secretion from the human THP1 acute monocytic leukemia cell line, causing dose-dependent inhibition of LPS-stimulated TNFα and IL6 secretion; also dose dependently inhibits IL1β-stimulated MMP13 secretion from the SW1353 chondrosarcoma cell line and human primary chondrocyte cultures.

通路 : MAPK/ERK Signaling

靶点 : MAPKAPK2 (MK2)

受体 : MK2

溶解度 : DMSO

SMILES : O=C(C1=CC=C(C2=CC=C(Cl)C=C2)O1)N(C3=CC=C(N4CCNCC4)C=C3)CC5=NC=CC=C5.[H]Cl

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

1. Rao AU, et al. Bioorg Med Chem Lett. 2012 Jan 15;22(2):1068-72. 2. Huang X, et al. Bioorg Med Chem Lett. 2012 Jan 1;22(1):65-70. 3. Huang X, et al. ACS Med Chem Lett. 2011 Jun 24;2(8):632-7.

仅限科学研究使用，不得用于人体。