

Product Name : MK2 inhibitor III

Synonyms : —

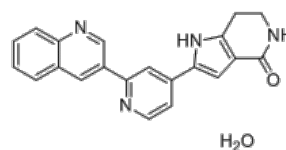
Cat No. : M10637

CAS Number : 1186648-22-5

Molecular Formula : C₂₁H₁₆N₄O · H₂O

Formula Weight : 358.40

Chemical Name : 2-(2-(quinolin-3-yl)pyridin-4-yl)-1,5,6,7-tetrahydro-4H-pyrrolo[3,2-c]pyridin-4-one hydrate



Description : A potent, cell-permeable inhibitor of MK2 with IC₅₀ of 8.5 nM; less potently blocks MK3 and MK5 (IC₅₀s=210 and 81 nM, respectively) and is weak or inactive against several other kinases, including P38 MAPKs; prevents LPS-induced synthesis of TNF-α in human monocyte-like U937 cells with IC₅₀ of 4.4 μM.

Pathway : MAPK/ERK Signaling

Target : MAPKAPK2 (MK2)

Receptor : MAPKAPK2 (MK2)

Solubility : —

SMILES : C1CNC(=O)C2=C1NC(=C2)C3=CC(=NC=C3)C4=CC5=CC=CC=C5N=C4.O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Anderson DR, et al. J Med Chem. 2007 May 31;50(11):2647-54. 2. Gurgis F, et al. Cell Death Discov. 2015 Sep 7;1:15028.