

Product Name : TBK1-IKKε inhibitor II

Synonyms : —

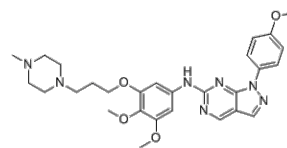
Cat No. : M11583

CAS Number : 1381930-17-1

Molecular Formula : C₂₈H₃₅N₇O₄

Formula Weight : 533.63

Chemical Name : N-(3,4-dimethoxy-5-(3-(4-methylpiperazin-1-yl)propoxy)phenyl)-1-(4-methoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-6-amine



Description : TBK1-IKKε inhibitor II is a potent, selective dual inhibitor of TBK1/IKKε with IC₅₀ of 13 nM/59 nM, respectively; displays 100- to 1000-fold less activity against other tested protein kinases including PDK1, PI3K family members and mTOR; inhibits LPS-induced expression of IFNβ (IC₅₀=62 nM), and the IFNβ target genes IP10 (IC₅₀=78 nM) and Mx1 (IC₅₀=20 nM); effectively blocks TLR3-dependent IRF3 nuclear translocation in cells with IC₅₀<100 nM.

Pathway : Immunology/Inflammation

Target : IκB kinase (IKK)

Receptor : IκB kinase (IKK)

Solubility : —

SMILES : CN1CCN(CC1)CCOC2=CC(=CC(=C2OC)OC)NC3=NC=C4C=NN(C4=N3)C5=CC=C(C=C5)OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ou YH, et al. Mol Cell. 2011 Feb 18;41(4):458-70. | 2. Hasan M, et al. J Immunol. 2015 Nov 15;195(10):4573-7.