
TEPP-46 (ML265)

产品编号: D50960

CAS: 1221186-53-3

分子式: C₁₇H₁₆N₄O₂S₂

纯度: ≥98%

InChi: InChI=1S/C₁₇H₁₆N₄O₂S₂/c1-20-13-7-14(25(2)23)24-16(13)12-8-19-21(17(22)15(12)20)9-10-4-3-5-11(18)6-10/h3-8H,9,18H2,1-2H3

InChi Key: ZWKJWVSEDISQIS-UHFFFAOYSA-N

Smiles: CN1C2=C(C=NN(CC3=CC(N)=CC=C3)C2=O)C2SC(=CC1=2)S(C)=O

外观: 固体粉末

作用通路: Pyruvate Kinase

溶解性: DMSO up to 100 mM

保存条件: Store in dry, dark place for one year.

产品介绍: TEPP-46 (ML265) is a potent and selective Pyruvate kinase M2 (PKM2) activator with EC50 ~92 nM. It demonstrates >100-fold selectivity for PKM2 over the related PKM1, PKR, and PKL isoforms. It can stabilize pyruvate kinase subunit interactions, promote PKM2 tetramer formation and prevent inhibition by phosphotyrosine signaling. It can alter metabolism in cultured cells, and inhibit xenograft tumor growth in vivo. TEPP-46 inhibits LPS-induced Hif-1 α and IL-1 β , as well as the expression of a range of other Hif-1 α -dependent genes.