
KL1333

产品编号: D52602

CAS: 1800405-30-4

分子式: C₁₄H₁₂N₂O₂

纯度: 99.27%

InChi Key: InChiKey=AJFWITSBVLLDCC-UHFFFAOYSA-N

Smiles: CC(C)c1nc(-c(cccc2)c2C(C2=O)=O)c2[nH]1

外观: 固体粉末

作用通路: Metabolism

作用靶点: Mitochondrial Metabolism; NADPH

溶解性: DMSO:245 mg/mL (1019.73 mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: KL1333 enhances energy metabolism and mitochondrial dysfunction in MELAS fibroblasts. Elevated NAD⁺ levels trigger the activation of SIRT1 and AMPK, and subsequently activates PGC-1 α . NQO1 activator 1 is an orally available NAD⁺ modulator. It reacts with NAD(P)H: NQO1 as a substrate, resulting in increases in intracellular NAD⁺ levels via NADH oxidation.