
UK-5099

产品编号: D51316

CAS: 56396-35-1

分子式: C₁₈H₁₂N₂O₂

纯度: ≥98%

InChi: InChi=1S/C₁₈H₁₂N₂O₂/c19-11-13(18(21)22)10-14-12-20(15-6-2-1-3-7-15)17-9-5-4-8-16(14)17/h1-10,12H,(H,21,22)/b13-10+

InChi Key: BIZNHCWFGNKBBZ-JLHYYAGUSA-N

Smiles: N#CC(=CC1=CN(C2=CC=CC=C12)C1C=CC=CC=1)C(O)=O

外观: 固体粉末

作用通路: Mitochondrial Metabolism

溶解性: Soluble in DMSO

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

产品介绍: UK-5099 is a specific and potent mitochondrial pyruvate carrier blocker (MCK blocker). The UK5099 treated cells showed significantly higher proportion of side population (SP) fraction and expressed higher levels of stemness markers Oct3/4 and Nanog. Chemosensitivity examinations revealed that the UK5099 treated cells became more resistant to chemotherapy compared to the non-treated cells. MPC blocker (UK5099) application may be an ideal model for Warburg effect studies