
MMRi62

产品编号: D56121

CAS: 352693-80-2

分子式: C₂₁H₁₅Cl₂N₃O

纯度: 99.7%

InChi Key: InChIKey=FMUBUUSODRAEMS-UHFFFAOYSA-N

Smiles: ClC1=CC=CC(=C1Cl)C(NC2=NC=CC=C2)C=3C=CC4=CC=CN=C4C3O

外观: 固体粉末

作用通路: Apoptosis

作用靶点: Ferroptosis

溶解性: DMSO: 50mg/mL (126.18mM; Need ultrasonic)

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

产品介绍: MMRi62, a ferroptosis inducer targeting MDM2-MDM4 (negative regulators of tumor suppressor p53). MMRi62 shows a P53-independent pro-apoptotic activity against pancreatic ductal adenocarcinoma (PDAC) cells and induce autophagy. MMRi62 induces ferroptosis, resulting in a increase of reactive oxygen and lysosomal degradation of ferritin heavy chain (FTH1). MMRi62 also leads to proteasomal degradation of mutant p53, also inhibits orthotopic xenograft PDAC mouse model in vivo with high frequency mutation characteristics of KRAS and TP53.12.