

Product Name	: MMRi62
Synonyms	: —
Cat No.	: M35377
CAS Number	: 352693-80-2
Molecular Formula	: C ₂₁ H ₁₅ Cl ₂ N ₃ O
Formula Weight	: 396.27
Chemical Name	: —
Description	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.
Pathway	: Apoptosis
Target	: Ferroptosis
Receptor	: Ferroptosis
Solubility	: In Vitro: ?DMSO : 62.5 mg/mL (157.72 mM; Ultrasonic (<60°C)
SMILES	: <chem>Oc1c(ccc2cccnc12)C(Nc1cccn1)c1cccc(Cl)c1Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Li J, et al. Small-Molecule MMRi62 Induces Ferroptosis and Inhibits Metastasis in Pancreatic Cancer via Degradation of Ferritin Heavy Chain and Mutant p53. Mol Cancer Ther. 2022 Apr 1;21(4):535-545. ?