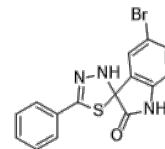


Product Name : MMRI36
Cat. No. : PC-23748
CAS No. : 297180-15-5
Molecular Formula : C₁₅H₁₀BrN₃OS
Molecular Weight : 360.23
Target : MDM2-p53
Solubility : 10 mM in DMSO



Biological Activity

MMRI36 is a MDM2-MDM4 E3 heterodimer E3 ligase activator, binds and stabilizes MDM2-MDM4 RING domain heterodimer (K_d=308 nM, MST assay), promotes proteasomal degradation of MDM2/MDM4 proteins in cells. MMRI36 is a potent apoptosis inducer in p53-mutant lymphoma and RRCL cells. MMRI36 is a potent activator of the E3 complex at concentrations as low as 0.31 μM as indicated by increased ubiquitination of MDM4, MDM2B and p53 during in vitro ubiquitination assays. MMRI36 promotes ubiquitination and degradation of MDM2/MDM4/p53 associated with apoptosis induction in cells. MMRI36 promotes XIAP ubiquitination and degradation in cells, induces p53-independent apoptosis.

References

Lama R, et al. Front Oncol. 2024 Dec 23;14:1462231.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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