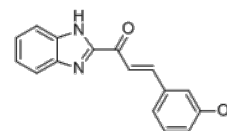


Product Name : UCI-LC0019
Cat. No. : PC-49217
CAS No. : 1372406-51-3
Molecular Formula : C₁₇H₁₄N₂O₂
Molecular Weight : 278.311
Target : MDM2-p53
Solubility : 10 mM in DMSO



Biological Activity

UCI-LC0019 is a specific small molecule that restores **mutant p53** activity by targeting the cryptic L1/S3 pocket of p53, directly binds to mutant p53 and restores wild-type-like conformation of mutant p53R175H.

UCI-LC0019 rapidly induced apoptosis compare with APR-246.

UCI-LC0019 exhibits significantly increased solubility while maintaining activity and selectivity compare with UCI-LC0023.

UCI-LC0019 (3.3 mg/kg, 10 mg/kg, i.p.) exerted anti-tumor effect in tumor models, treatment with UCI-LC0019 resulted in a significant reduction of tumor volume in p53R175H carrying TOV112D tumors, did not significantly inhibit the growth of TOV112Dp53 / or HCT116 (p53 +/+) tumors.

References

Geetha Durairaj, et al. **Cell Chem Biol.** 2022 Aug 9;S2451-9456(22)00275-6.

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

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