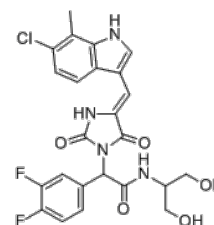


Product Name : RO-5963
Cat. No. : PC-60443
CAS No. : 1416663-77-8
Molecular Formula : C₂₄H₂₁ClF₂N₄O₅
Molecular Weight : 518.902
Target : MDM2-p53
Solubility : 10 mM in DMSO



Biological Activity

RO-5963 is a potent, dual **MDM2/MDMX-p53** interaction inhibitor with IC₅₀ of 17 and 24 nM, respectively. RO-5963 stabilizes p53 and activates the p53 pathway in cancer cells, inhibits the binding of p53 to MDM2 and MDMX. RO-5963 restores p53 transcriptional activity, elevates protein levels of its transcription targets, p21 and MDM2, and overcomes the apoptotic resistance of MDMX-overexpressing cell line, SJSA-X, to nutlin-3. RO-5963 decreases cell viability and induces cell death.

References

Graves B, et al. *Proc Natl Acad Sci U S A*. 2012 Jul 17;109(29):11788-93.

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

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