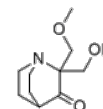


Product Name : APR-246
Cat. No. : PC-62406
CAS No. : 5291-32-7
Molecular Formula : C₁₀H₁₇NO₃
Molecular Weight : 199.25
Target : MDM2-p53
Solubility : 10 mM in DMSO



Biological Activity

APR-246 (Eprenetapopt, PRIMA-1MET) is a methylated derivative of PRIMA-1 that restores **mutant p53** activity, acts synergistically with chemotherapeutic agents to inhibit tumor cell proliferation.

APR-246 (Eprenetapopt, PRIMA-1MET) also restores the pro-apoptotic function to mutant TAp63 γ and TAp73 β in tumor cells but has less effect on TAp73 α .

APR-246 (Eprenetapopt, PRIMA-1MET) induces mutant p53-dependent mitochondria-mediated apoptosis through activation of caspase-2 with subsequent cytochrome c release and further activation of downstream caspase-9 and caspase-3.

APR-246 (Eprenetapopt, PRIMA-1MET) inhibits tumor xenograft growth in vivo.

References

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Bykov VJ, et al. *Oncogene*. 2005 May 12;24(21):3484-91.

Rökaeus N, et al. *Oncogene*. 2010 Dec 9;29(49):6442-51.

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

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