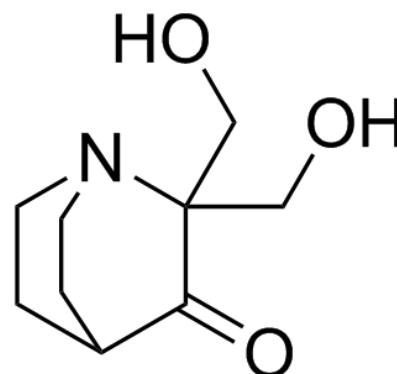


Product Name : PRIMA-1
Cat. No. : PC-45773
CAS No. : 5608-24-2
Molecular Formula : C₉H₁₅NO₃
Molecular Weight : 185.2203
Target : MDM2-p53
Solubility : DMSO: ≥ 44 mg/mL



Biological Activity

PRIMA-1 (PRIMA1) is a specific **mutant p53** reactivator that induces apoptosis and enhances chemotherapeutic cytotoxicity in cancer cell lines.

PRIMA-1 is efficacious against myeloma cells with differential p53 genotypes, causes the demethylation of TP73, through DNMT1 depletion, to subsequently enhance UPR.

PRIMA-1 selectively induces apoptosis and cell cycle arrest in p53 mutant cells compared to CAPAN-2 cells.

References

Izetti P, et al. *Invest New Drugs*. 2014 Oct;32(5):783-94.

Bykov VJ, et al. *Carcinogenesis*. 2002 Dec;23(12):2011-8.

Teoh PJ, et al. *Oncotarget*. 2016 Sep 20;7(38):61806-61819.

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

E-mail: tech@probechem.com