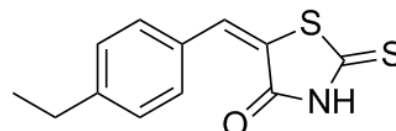


Product Name : 10058-F4
Cat. No. : PC-43158
CAS No. : 403811-55-2
Molecular Formula : C₁₂H₁₁NOS₂
Molecular Weight : 249.3518
Target : c-Myc
Solubility : DMSO: ≥ 41 mg/mL



Biological Activity

10058-F4 is a specific **c-Myc** inhibitor that disrupts the association between the c-Myc and Max, inhibits HL60 cell growth with IC₅₀ of 51 uM.
10058-F4 arrests AML cells at G0/G1 phase, downregulates c-Myc expression and upregulates CDK inhibitors p21 and p27.
10058-F4 induces apoptosis through activation of mitochondrial pathway shown by downregulation of Bcl-2, upregulation of Bax, release of cytoplasmic cytochrome C, and cleavage of caspase 3, 7, and 9.
10058-F4 also induces myeloid differentiation.

References

Huang MJ, et al. *Exp Hematol*. 2006 Nov;34(11):1480-9.
Lin CP, et al. *Anticancer Drugs*. 2007 Feb;18(2):161-70.
Wang H, et al. *Mol Cancer Ther*. 2007 Sep;6(9):2399-408.
Guo J, et al. *Cancer Chemother Pharmacol*. 2009 Mar;63(4):615-25.

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

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