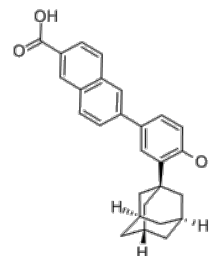


Product Name : CD 437
Cat. No. : PC-62291
CAS No. : 125316-60-1
Molecular Formula : C₂₇H₂₆O₃
Molecular Weight : 398.5
Target : RAR/RXR
Solubility : 10 mM in DMSO



Biological Activity

CD437 (CD 437) is a retinoid-like small molecule that selectively induces apoptosis in cancer cells, but not in normal cells, directly inhibits **DNA polymerase α** with IC₅₀ of 22 nM, also acts as an **RAR γ** agonist. CD437 shows weak activity against POLA1 L700S or the L764S mutation (IC₅₀:1.2 μ M, 2.6 μ M, respectively). CD437 inhibits the growth of both ATRA-sensitive (CA-OV-3) and ATRA-resistant (SK-OV-3) ovarian tumor cells, and induces apoptosis.

References

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Mologni L, et al. *Blood.* 1999 Feb 1;93(3):1045-61.
Benedetti L, et al. *Blood.* 1996 Mar 1;87(5):1939-50.

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

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