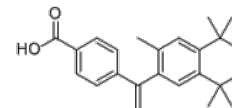


Product Name : Bexarotene
Cat. No. : PC-20769
CAS No. : 153559-49-0
Molecular Formula : C₂₄H₂₈O₂
Molecular Weight : 348.49
Target : RAR/RXR
Solubility : 10 mM in DMSO



CAS: 153559-49-0

Biological Activity

Bexarotene (LGD1069) is a highly potent and selective retinoid X receptors (RXR) agonist with EC₅₀ of 33, 24, 25 nM for RXR α , RXR β , and RXR γ respectively, with no affinity for RAR receptors.

Bexarotene (LGD1069) selectively binds and activates RXR subtypes with K_d=14 nM, 21 nM, and 29 nM for RXR α , RXR β , and RXR γ receptors.

Bexarotene (LGD1069) activates both RXR/RXR homodimers and RAR/RXR heterodimers, could inhibit clonal growth and induce differentiation of HL-60 cells as well as leukemic cells from patients.

The combination of ATRA and LGD1069 showed synergistic effects in inducing differentiation of HL-60 cells.

Bexarotene (LGD1069) can act as a highly effective and benign chemopreventive agent for mammary carcinoma.

References

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

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