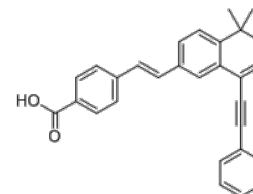


Product Name : BMS-189453
Cat. No. : PC-70294
CAS No. : 166977-43-1
Molecular Formula : C₂₇H₂₄O₂
Molecular Weight : 380.5
Target : RAR/RXR
Solubility : 10 mM in DMSO



Biological Activity

BMS-189453 (BMS189453, BMS453) is a synthetic retinoid that acts as an agonist of **RAR β** and an antagonist of **RAR α** and **RAR γ** .

BMS-189453 binds to RAR receptors and transrepresses AP-1, inhibits the growth of normal breast cells (HMEC and 184) and T47D breast cancer cells.

BMS-189453 increases p21, decrease CDK2 kinase activity, which in turn leads to hypophosphorylation of Rb and G1 arrest.

References

Chen JY, et al. *EMBO J.* 1995 Mar 15;14(6):1187-97.

Yang L, et al. *Oncogene.* 2001 Nov 29;20(55):8025-35.

Yang L, et al. *Breast Cancer Res Treat.* 1999 Aug;56(3):277-91.

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

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