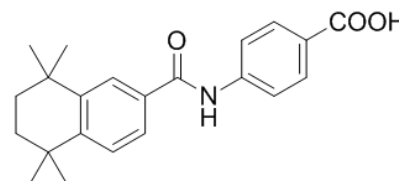


Product Name : AM580
Cat. No. : PC-42609
CAS No. : 102121-60-8
Molecular Formula : C₂₂H₂₅NO₃
Molecular Weight : 351.4388
Target : RAR/RXR
Solubility : DMSO: ≥ 45 mg/mL



Biological Activity

AM580 (CD336, NSC608001, Ro 40-6055) is an analog of retinoic acid that functions as a selective **RAR α** agonist with EC₅₀ of 0.3 nM.

AM580 shows relatively weak agonist activity against RAR β and RAR γ (EC₅₀, 8.6 and 13 nM, respectively).

AM580 inhibits the proliferation of various tumor cells, inhibiting survival signaling pathways and inducing apoptosis.

AM580 efficiently induces differentiation of human iPSCs in combination with CHIR99021

References

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Gianní M, et al. *Blood*. 1996 Feb 15;87(4):1520-31.

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

E-mail: tech@probechem.com