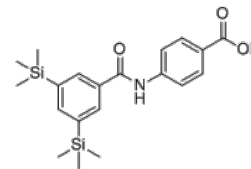


Product Name : Amsilarotene
Cat. No. : PC-20433
CAS No. : 125973-56-0
Molecular Formula : C₂₀H₂₇NO₃Si₂
Molecular Weight : 385.61
Target : RAR/RXR
Solubility : 10 mM in DMSO



Biological Activity

Amsilarotene (TAC-101) is a retinobenzoic acid with potential antineoplastic activity, shows selective affinity for **RAR α** with binding K_i of 2.4 nM.

Amsilarotene inhibits retinoblastoma-gene product (RB) phosphorylation and increases the presence of 2 cyclin-dependent kinase (CDK) inhibitors, resulting in cell cycle arrest.

Amsilarotene also causes a cytotoxic decline in cyclin A and thymidylate synthase expression.

Amsilarotene induces the apoptotic of human gastric cancer, hepatocellular carcinoma and ovarian carcinoma cells.

References

Rizvi NA, et al. *J Clin Oncol*. 2002 Aug 15;20(16):3522-32.

Sakukawa R, et al. *Oncol Res*. 1998;10(6):287-93.

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

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