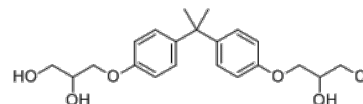


Product Name : EPI-001
Cat. No. : PC-61678
CAS No. : 227947-06-0
Molecular Formula : C₂₁H₂₇ClO₅
Molecular Weight : 394.89
Target : Androgen Receptor (AR)
Solubility : 10 mM in DMSO



Biological Activity

EPI-001 (EPI 001) is a small molecule that blocks transactivation of the **androgen receptor (AR) NTD** (IC₅₀=6 uM) and specifically inhibits AR without attenuating transcriptional activities of related steroid receptors. EPI-001 targets the transactivation unit 5 of AR and interacts with AF-1 in the NTD to prevent protein-protein interactions. EPI-001 inhibits endogenous expression of androgen-regulated genes, inhibits both androgen-dependent and androgen-independent (OCM-induced) proliferation of LNCaP cells. EPI-001 reduces the growth of CRPC xenografts; also is a selective PPAR-gamma modulator.

References

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De Mol E, et al. *ACS Chem Biol.* 2016 Sep 16;11(9):2499-505.
Andersen RJ, et al. *Cancer Cell.* 2010 Jun 15;17(6):535-46.
Brand LJ, et al. *Oncotarget.* 2015 Feb 28;6(6):3811-24.

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

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