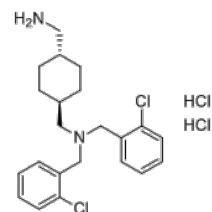


Product Name : AY9944
Cat. No. : PC-62176
CAS No. : 366-93-8
Molecular Formula : C₂₂H₂₈Cl₂N₂ • 2HCl
Molecular Weight : 464.3
Target : Hedgehog (Hh)
Solubility : 10 mM in DMSO



Biological Activity

AY9944 is a cholesterol biosynthesis inhibitor that targets the 7-dehydro cholesterol Δ 7-reductase (**DHCR7**) enzyme (IC₅₀=13 nM), attenuates of Smoothened-dependent and -independent **Hh signaling**.

AY9944 has been used to recapitulate phenotypes of Smith-Lemli-Opitz syndrome in animal model.

References

Horlick L. *J Lipid Res.* 1966 Jan;7(1):116-21.

Lauth M, et al. *Mol Pharmacol.* 2010 Sep;78(3):486-96.

Xu L, et al. *J Lipid Res.* 2011 Oct;52(10):1810-20.

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

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