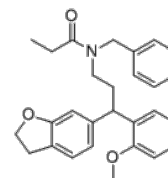


Product Name : AGX51
Cat. No. : PC-72578
CAS No. : 330834-54-3
Molecular Formula : C₂₈H₃₁NO₃
Molecular Weight : 429.56
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

AGX51 is a small-molecule antagonist of **Id helix-loop-helix (HLH) proteins (Id1-4)**, inhibits the Id1-E47 interaction, leading to ubiquitin-mediated degradation of Ids.

AGX51 induces ubiquitin-mediated degradation of Ids, cell growth arrest, and reduced viability.

AGX51 is well-tolerated in mice and phenocopies the genetic loss of Id expression in AMD and ROP models by inhibiting retinal neovascularization.

AGX51+aflibercept combination treatment worked better than aflibercept alone.

AGX51 as an anti-neovascular agent is likely due to its effects on blocking cell proliferation and vascular network disruption.

References

Wojnarowicz PM, et al. *Cell Rep.* 2019 Oct 1;29(1):62-75.e7.

Wojnarowicz PM, et al. *NPJ Breast Cancer.* 2021 May 24;7(1):58.

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

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