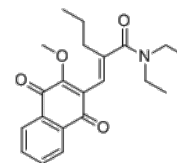


Product Name : APX2009
Cat. No. : PC-60633
CAS No. : 1415030-15-7
Molecular Formula : C₂₁H₂₅NO₄
Molecular Weight : 355.43
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

APX2009 (APX-2009) is a novel potent inhibitor of reduction-oxidation factor 1-apurinic/aprimidinic endonuclease 1 (**Ref-1/APE1**) with IC₅₀ of 0.45 μ M for redox EMSA inhibition.

APX2009 inhibits endothelial cell proliferation in HRECs and Rf/6a cells in vitro with GI₅₀ of 1.1 and 26 μ M, respectively.

APX2009 significantly inhibits endothelial tube formation in HRECs and Rf/6a cells in vitro, inhibits TNF- α mediated NF- κ B signaling and proangiogenic target gene mRNA expression.

APX2009 inhibits choroidal sprouting at low micromolar in ex vivo, blocks ocular angiogenesis in vitro and ex vivo.

References

Kelley MR, et al. *J Pharmacol Exp Ther*. 2016 Nov;359(2):300-309.

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

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