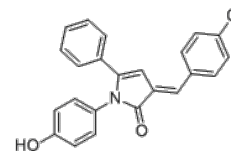


Product Name : InS3-54A18
Cat. No. : PC-62377
CAS No. : 328998-53-4
Molecular Formula : C₂₃H₁₆ClNO₂
Molecular Weight : 373.836
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

InS3-54A18 is an active analog of inS3-54 targeting the DBD of **STAT3** with IC₅₀ of 8.8 μ M in STAT3-dependent luciferase reporter assay, with increased specificity and pharmacological properties.

InS3-54A18 not only binds directly to the DBD and inhibits the DNA-binding activity of STAT3 both in vitro and in situ but also effectively inhibits the constitutive and IL-6-stimulated expression of STAT3 downstream target genes.

InS3-54A18 is completely soluble in an oral formulation and effectively inhibits lung xenograft tumor growth and metastasis with little adverse effect on animals.

References

Huang W, et al. *Oncogene*. 2016 Feb 11;35(6):783-92.

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

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