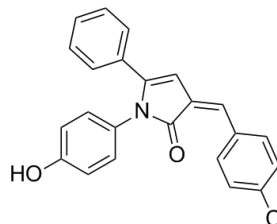


<b>Product Name</b>	: InS3-54A18
<b>Synonyms</b>	: inS3-54-A18; inS3-54A18; inS3-54 A18; inS354-A18
<b>Cat No.</b>	: M14081
<b>CAS Number</b>	: 328998-53-4
<b>Molecular Formula</b>	: C23H16ClNO2
<b>Formula Weight</b>	: 373.84
<b>Chemical Name</b>	: 3-(4-chlorobenzylidene)-1-(4-hydroxyphenyl)-5-phenyl-1,3-dihydro-2H-pyrrol-2-one



<b>Description</b>	: InS3-54A18 is an active analog of inS3-54 targeting the DBD of STAT3 with IC50 of 8.8 uM in STAT3-dependent luciferase reporter assay, with increased specificity and pharmacological properties; 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.
<b>Pathway</b>	: JAK/STAT Signaling
<b>Target</b>	: STAT
<b>Receptor</b>	: STAT
<b>Solubility</b>	: DMSO : ≥ 150 mg/mL 401.25 mM
<b>SMILES</b>	: <chem>O=C1N(C2=CC=C(O)C=C2)C(C3=CC=CC=C3)=C/C1=C/C4=CC=C(Cl)C=C4</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

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