

Product Information

Stat inhibitor inS3-54A18, Purity ≥98%

Cat. No.: X23-10-ZQ1020

Size: 2 mg; 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 328998-53-4

Compound CID: 1920398

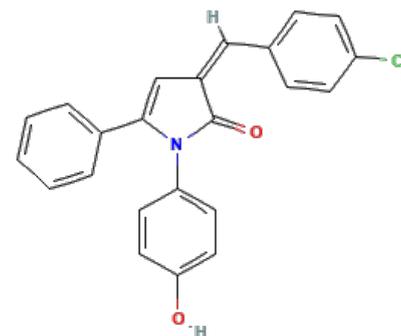
Synonym: inS3-54A18; 328998-53-4; inS3-54-A18;

3-[(4-Chlor

ophenyl)methylene]-1,3-dihydro-1-(4-hydroxyphenyl)-5-phenyl-2*H*-pyrrol-2-one;

(3*Z*)-3-[(4-Chlorophenyl)methylidene]-1-(4-hydroxyphenyl)-5-phenylpyrrol-2-one; Stat

inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

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|--------------------------|---|
| Description | inS3-54A18 is an inhibitor of STAT activation and signaling activity. |
| Molecular Weight | 373.83 |
| Molecular Formula | C ₂₃ H ₁₆ ClNO ₂ |
| IUPAC Name | (3 <i>Z</i>)-3-[(4-Chlorophenyl)methylidene]-1-(4-hydroxyphenyl)-5-phenylpyrrol-2-one |
| InChI | InChI=1S/C23H16ClNO2/c24-19-8-6-16(7-9-19)14-18-15-22(17-4-2-1-3-5-17)25(23(18)27)20-10-12-21(26)13-11-20/h1-15,26H/b18-14- |
| InChI Key | IMHWQIPPIXOVRK-JXAWBTAJSA-N |
| Canonical SMILES | C1=CC=C(C=C1)C2=CC(=CC3=CC=C(C=C3)Cl)C(=O)N2C4=CC=C(C=C4)O |
| Isomeric SMILES | C1=CC=C(C=C1)C2=C/C(=C/C3=CC=C(C=C3)Cl)/C(=O)N2C4=CC=C(C=C4)O |
| Form | Lyophilized powder |
| Purity | ≥98% |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| Applications | inS3-54A18 can be used to study selective inhibition of STAT3 in oncogenic processes. |
| Storage | Store at -20°C. |