



Product Information

Stat inhibitor STA-21, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1013

Size: 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

CAS Number: 111540-00-2

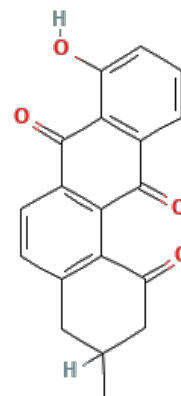
Compound CID: 363709

Synonym: STA-21; 111540-00-2; STA 21;

8-Hydroxy-3-methyl-3,4-dihydrotetraphene-1,7,12(2H)-trione; STA21; NSC628869;

Stat inhibitor

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



Product Information

Description	STA-21, soluble in DMSO and ethanol and insoluble in water, is an inhibitor of STAT activation and signaling activity.
Molecular Weight	306.31
Molecular Formula	C ₁₉ H ₁₄ O ₄
IUPAC Name	8-Hydroxy-3-methyl-3,4-dihydro-2H-benzo[a]anthracene-1,7,12-trione
InChI	InChI=1S/C19H14O4/c1-9-7-10-5-6-12-17(15(10)14(21)8-9)19(23)11-3-2-4-13(20)16(11)18(12)22/h2-6,9,20H,7-8H2,1H3
InChI Key	ZAWXOCUFQSQDJS-UHFFFAOYSA-N
Canonical SMILES	CC1CC2=C(C(=O)C1)C3=C(C=C2)C(=O)C4=C(C3=O)C=CC=C4O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 21 mg/mL (68.55 mM); Water: Insoluble; Ethanol: 2 mg/mL (6.52 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	STA-21 is used to study STAT3 inhibition, particularly in the context of cancer therapeutics.
Storage	Store at -20°C.