



Product Information

Stat inhibitor Stattic, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1006

Size: 50 mg; 100 mg; 200 mg; 500 mg

MDL: MFCD00173799

CAS Number: 19983-44-9

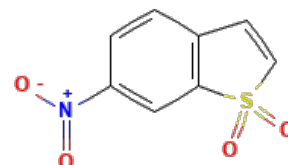
Compound CID: 2779853

Synonym: Stattic; 19983-44-9; 6-Nitrobenzo[b]thiophene 1,1-dioxide;

6-Nitro-1-benzothiophene 1,1-dioxide; 1,1-DIOXIDE-6-NITRO-

BENZO[B]THIOPHENE; 6-Nitrobenzo[b]thiophene-1,1-dioxide; Stat inhibitor

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



Product Information

Description	Stattic, soluble in DMSO and insoluble in ethanol and water, is an inhibitor of STAT activation and signaling activity. It targets STAT3.
Molecular Weight	211.19
Molecular Formula	C ₈ H ₅ NO ₄ S
Targets	STAT3: 5.1 μ M
IUPAC Name	6-Nitro-1-benzothiophene 1,1-dioxide
InChI	InChI=1S/C8H5NO4S/c10-9(11)7-2-1-6-3-4-14(12,13)8(6)5-7/h1-5H
InChI Key	ZRRGOUHITGRLBA-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC(=CC2=C1C=CS2(=O)=O)[N+](=O)[O-]</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 38 mg/mL (179.93 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Stattic is utilized to study the inhibition of STAT3 dimerization and transcriptional activity in cancer models.
Storage	Store at -20°C.



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