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DATASHEET

Stattic

Product overview

Name	Stattic
Cat No	HB1437
Biological action	Inhibitor
Purity	>99%
Description	Selective STAT3 inhibitor

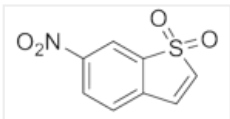
Biological Data

Biological description	Selective STAT3 inhibitor. Inhibits STAT3 activation, dimerization and nuclear translocation. Enhances ROS formation. Shows apoptotic and anti-cancer actions.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (50mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	6-Nitrobenzo[<i>b</i>]thiophene 1,1-dioxide
Molecular Weight	211.19
Chemical structure	
Molecular Formula	C ₈ H ₅ NO ₄ S
CAS Number	19983-44-9
PubChem identifier	2779853
SMILES	<chem>C1=CC(=CC2=C1C=CS2(=O)=O)[N+](=O)[O-]</chem>
InChi	InChI=1S/C8H5NO4S/c10-9(11)7-2-1-6-3-4-14(12,13)8(6)5-7/h1-5H
InChiKey	ZRRGOUHITGRLBA-UHFFFAOYSA-N
MDL number	MFCD00173799

References

Stattic: a small-molecule inhibitor of STAT3 activation and dimerization.

Schust J *et al* (2006) Chem Biol 13(11)

PubMedID 17114005

Stat3 inhibitor Stattic exhibits potent antitumor activity and induces chemo- and radio-sensitivity in nasopharyngeal carcinoma.

Pan Y *et al* (2013) PLoS One 8(1)

PubMedID

23382914

The STAT3 inhibitor stattic impairs cardiomyocyte mitochondrial function through increased reactive oxygen species formation.

Boengler K *et al* (2013) Curr Pharm Des 19(39)

PubMedID

23590160
