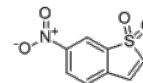


Product Name : Stattic
Cat. No. : PC-21893
CAS No. : 19983-44-9
Molecular Formula : C₈H₅NO₄S
Molecular Weight : 211.19
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

Stattic is a potent, selective nonpeptidic STAT3 inhibitor, inhibits the function of the STAT3 SH2 domain (IC₅₀=5.1 uM) regardless of the STAT3 activation state in vitro.

Stattic selectively inhibits activation, dimerization, and nuclear translocation of STAT3 and increases the apoptotic rate of STAT3-dependent breast cancer cell lines.

Stattic inhibits STAT3 phosphorylation (at Y705 and S727).

Stattic is a useful tool for the inhibition of STAT3 in cell lines or animal tumor models displaying constitutive STAT3 activation.

References

John S McMurray, et al. Chem Biol. 2006 Nov;13(11):1123-4.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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