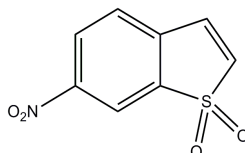


**Product:                    Stattic****ALTERNATE NAME:**           6-nitro-1,1-dioxide-benzo[b]thiophene; Stat3 Inhibitor V**CATALOG #:**                   2625-5, 25**AMOUNT:**                      5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:**       C<sub>8</sub>H<sub>5</sub>NO<sub>4</sub>S**MOLECULAR WEIGHT:**       211.19**CAS No.**                       19983-44-9**APPEARANCE:**                Pale yellow solid**SOLUBILITY:**                 DMSO (~ 25 mg/ml)**PURITY:**                      >98%**STORAGE:**                    Store at -20°C. Protect from air and light**DESCRIPTION:**                Stattic is a small molecule that selectively inhibits STAT3 activation, dimerization, and nuclear translocation by preventing the binding of tyrosine-phosphorylated peptide motifs to the STAT3 SH2 domain (IC<sub>50</sub> = 5.1 μM at 37°C). Displays selectivity over STAT1, STAT5, c-Myc/Max, Jun/Jun and Lck. At 10 μM, stattic induces apoptosis in STAT3-dependent breast cancer (MDA-MB-231 and MDA-MB-435S) cell lines.**REFERENCES:**                 Schust, J., *et al.* (2006). *Chem. Biol.* **13**, 1235-1242.**HANDLING:**                    Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**AG490 (**Cat. No. 1570-5**)CP-690550 (**Cat. No. 1622-5, 25**)Galieallactone (**Cat. No. 2623-100, 500**)LLL12 (**Cat. No. 1792-5, 25**)Stat1 Antibody (**Cat. No. 3133R-100**)Stat2 Antibody (**Cat. No. 3468R-100**)Phospho-Stat2 Antibody (**Cat. No. 3469-1000**)Stat3 Antibody (**Cat. No. 3470R-100**)Phospho-Stat3 Antibody (**Cat. No. 3474-100**)Stat3 Inhibitor I, S3I-201 (**Cat. No. 1775-5, 25**)EZSolution™ Stat3 Inhibitor I, S3I-201 (**Cat. No. 2541-5**)Stat3 Peptide Inhibitor, Cell-Permeable (**Cat. No. 1778-1,5**)Stat4 Antibody (**Cat. No. 3471R-100**)Stat5 Antibody (**Cat. No. 3472-100**)Phospho-Stat5 Antibody (**Cat. No. 3475-100**)Stat6 Antibody (**Cat. No. 3473R-100**)Phospho-Stat6 Antibody (**Cat. No. 3476-100**)Tyrphostin AG 490 (**Cat. No. 1570-5**)WHI-P131 (**Cat. No. 1853-5, 25**)WP1066 (**Cat. No. 1809-5, 25**)PathwayReady™ JAK/Stat Signaling Inhibitor Panel (**Cat. No. K864-8**)**FOR RESEARCH USE ONLY! Not to be used in humans.**