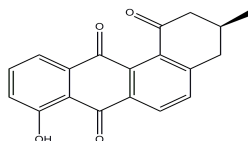


**Product: STA-21****ALTERNATE NAME:** ((3S)-3,4-dihydro-8-hydroxy-3-methyl-benz[a]anthracene-1,7,12(2H)-trione; Ochromycinone**CATALOG #:** 2626-250, 1000**AMOUNT:** 250 µg, 1 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>19</sub>H<sub>14</sub>O<sub>4</sub>**MOLECULAR WEIGHT:** 306.31**CAS No.** 28882-53-3**APPEARANCE:** Light orange solid**SOLUBILITY:** DMSO (~ 15 mg/ml)**PURITY:** >98%**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** STA-21 is a natural antibiotic that acts as a selective STAT3 inhibitor. It inhibits STAT3 by preventing its dimerization and DNA binding when used at concentrations of 20-30 µM. It blocks the growth and survival of cancer cells that express constitutively active STAT3 (e.g., DU145 cells, IC<sub>50</sub> = 12.2 µM). It reciprocally regulates Th17 and Treg cells, and inhibits osteoclast formation.**REFERENCES:** Park, J.S., *et al.* (2013). *Arthritis Rheumatol.* **66**, 918-929.**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)  
Stattic (Cat. No. 2625-5, 25)  
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.**