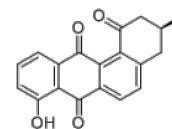


**Product Name** : STA-21  
**Cat. No.** : PC-70249  
**CAS No.** : 28882-53-3  
**Molecular Formula** : C<sub>19</sub>H<sub>14</sub>O<sub>4</sub>  
**Molecular Weight** : 306.3  
**Target** : STAT  
**Solubility** : 10 mM in DMSO



## Biological Activity

STA-21 (NSC 628869, Ochromycinone) is a small-molecule inhibitor of **STAT3**, inhibits Stat3 DNA binding activity, Stat3 dimerization, and Stat3-dependent luciferase activity (20-30  $\mu$ M).

STA-21 reduces the survival of breast carcinoma cells with constitutive Stat3 signaling.

STA-21 inhibits cell viability and growth and induces apoptosis through caspases 3, 8 and 9 pathways in human sarcoma cell lines.

## References

Song H, et al. *Proc Natl Acad Sci U S A*. 2005 Mar 29;102(13):4700-5.

Chen CL, et al. *BMC Cancer*. 2007 Jun 28;7:111.

Fuh B, et al. *Br J Cancer*. 2009 Jan 13;100(1):106-12.

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

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