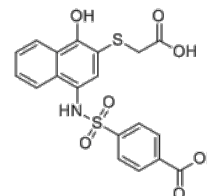


**Product Name** : STAT3 inhibitor C188  
**Cat. No.** : PC-60904  
**CAS No.** : 823828-18-8  
**Molecular Formula** : C<sub>19</sub>H<sub>15</sub>NO<sub>7</sub>S<sub>2</sub>  
**Molecular Weight** : 433.449  
**Target** : STAT  
**Solubility** : 10 mM in DMSO



## Biological Activity

STAT3 inhibitor C188 (CPD188) is a potent, selective **STAT3** inhibitor that blocks STAT3 binding to its phosphopeptide ligand (IC<sub>50</sub>=20 uM) and inhibits IL-6-mediated phosphorylation of STAT3.

C188 inhibits nuclear translocation of phosphorylated Stat3 with IC<sub>50</sub> of 39 uM.

C188 induces apoptosis preferentially of breast cancer cell lines with constitutive Stat3 activation.

## References

Xu X, et al. *PLoS One*. 2009;4(3):e4783.

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

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