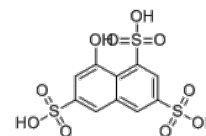


**Product Name** : ζ-Stat  
**Cat. No.** : PC-35337  
**CAS No.** : 3316-02-7  
**Molecular Formula** : C<sub>10</sub>H<sub>8</sub>O<sub>10</sub>S<sub>3</sub>  
**Molecular Weight** : 384.344  
**Target** : PKC  
**Solubility** : 10 mM in DMSO



### Biological Activity

ζ-Stat (1,3,6-Naphthalenetrisulfonic acid) is a novel **PKC-zeta** (PKC-ζ) specific inhibitor with IC<sub>50</sub> of 5 μM, shows only 13% inhibition on PKC-I at 20 μM.

ζ-Stat downregulates TNF-α induced NF-κB translocation to the nucleus there by inducing apoptosis.

ζ-Stat significantly decreases melanoma cell proliferation of SK-MEL-2 and MeWo.

### References

Islam SMA, et al. *Biochim Biophys Acta*. 2018 Apr;1865(4):650-664.

Ratnayake WS, et al. *Cell Adh Migr*. 2018 May 21:1-17.

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

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