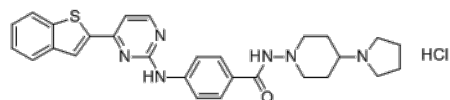


**Product Name** : IKK16  
**Cat. No.** : PC-63330  
**CAS No.** : 1186195-62-9  
**Molecular Formula** : C<sub>28</sub>H<sub>31</sub>ClN<sub>6</sub>OS  
**Molecular Weight** : 535.107  
**Target** : IκB kinase (IKK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

IKK16 is a potent, selective inhibitor of IκB kinase (**IKK**) with IC<sub>50</sub> of 40, 70 and 200 nM for IKKβ, IKK complex and IKKα respectively.

IKK16 inhibits TNF-α-stimulated IκB degradation and expression of adhesion molecules E-selectin, ICAM and VCAM with IC<sub>50</sub> of 1.0, 0.5, 0.3 and 0.3 μM respectively.

IKK16 inhibits LPS-induced TNF-α release in vivo and neutrophil extravasation in thioglycollate-induced peritonitis models.

## References

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Thein S, et al. *Biochem Biophys Res Commun*. 2014 Jul 18;450(1):550-4.

Sordi R, et al. *Mol Med*. 2015 Jun 18;21:563-75.

Liu JC, et al. *Cell Rep*. 2018 Apr 3;23(1):112-126.

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

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