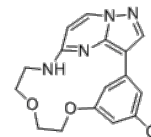


**Product Name** : RIPK2 inhibitor OD36  
**Cat. No.** : PC-36066  
**CAS No.** : 1638644-62-8  
**Molecular Formula** : C<sub>16</sub>H<sub>15</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 330.772  
**Target** : RIP kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

RIPK2 inhibitor OD36 is a potent, specific, ATP-competitive inhibitor of **RIPK2** with IC<sub>50</sub> of 5.3 nM, inhibits Tyr and Ser/Thr-directed activities of RIPK2.

RIPK2 inhibitor OD36 inhibits both RIPK2 tyrosine autophosphorylation as well as downstream NF-κB and MAPK signaling induced by MDP, downregulates a panel of RIPK2 kinase-dependent genes.

RIPK2 inhibitor OD36 reduces cellular infiltration in an in vivo MDP-induced peritonitis model.

RIPK2 inhibitor OD36 also shows high affinity for cyclin G-associated kinase (GAK) with K<sub>i</sub> of 3.8 nM.

## References

Tigno-Aranjuez JT, et al. *J Biol Chem*. 2014 Oct 24;289(43):29651-64.

Asquith CRM, et al. *J Med Chem*. 2019 Feb 15. doi: 10.1021/acs.jmedchem.8b01213.

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

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