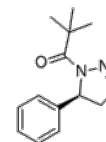


**Product Name** : GSK-963  
**Cat. No.** : PC-60549  
**CAS No.** : 2049868-46-2  
**Molecular Formula** : C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O  
**Molecular Weight** : 230.311  
**Target** : RIP kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK-963 (GSK963) is a potent and selective inhibitor of RIP1 kinase (**RIPK1**) with IC<sub>50</sub> of 29 nM in FP binding assays. GSK-963 displays excellent selectivity of against a panel of 339 kinases, including IDO. GSK-963 efficiently blocks necroptosis in both murine and human cells with IC<sub>50</sub> of 1 nM and 4 nM, respectively. GSK-963 demonstrates much greater protection from hypothermia in model of TNF-induced sterile shock, compared with Necrostatin-1.

## References

- Berger SB, et al. *Cell Death Discov.* 2015 Jul 27;1:15009.  
Rojas-Rivera D, et al. *Cell Death Differ.* 2017 Jun;24(6):1100-1110.  
Lule S, et al. *Stroke.* 2017 Sep;48(9):2549-2556.

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

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