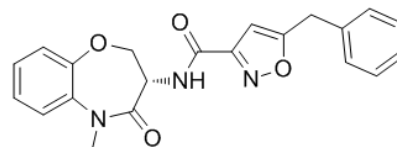


**Product Name** : GSK-481  
**Cat. No.** : PC-42065  
**CAS No.** : 1622849-58-4  
**Molecular Formula** : C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 377.3932  
**Target** : RIP kinase  
**Solubility** : DMSO: ≥ 35 mg/mL



## Biological Activity

GSK-481 (GSK481) is a highly potent, monokinase selective and ATP-competitive inhibitor of RIP1 kinase (**RIPK1**) with biochemical IC<sub>50</sub> of 10 nM.

GSK-481 displays complete specificity for RIP1 kinase over a panel of 456 kinases.

GSK-481 exhibits excellent translation in the U937 cellular assay with IC<sub>50</sub> of 10 nM, demonstrates significant blockage of the induced RIP1 autophosphorylation at Ser166 in HT29 cells.

GSK-481 possesses good pharmacokinetic profiles in rodents.

## References

Harris PA, et al. *J Med Chem.* 2016 Mar 10;59(5):2163-78.

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

E-mail: tech@probechem.com