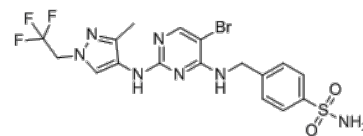


**Product Name** : GSK8612  
**Cat. No.** : PC-38171  
**CAS No.** : 2361659-62-1  
**Molecular Formula** : C<sub>17</sub>H<sub>17</sub>BrF<sub>3</sub>N<sub>7</sub>O<sub>2</sub>S  
**Molecular Weight** : 520.329  
**Target** : IκB kinase (IKK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK8612 (GSK-8612) is a highly selective, potent **TBK1 inhibitor**, inhibits recombinant TBK1 with pIC<sub>50</sub> of 6.8 in biochemical functional assays.

GSK8612 demonstrated inhibition of IRF3 phosphorylation in Ramos cells, IFN $\alpha$  secretion from human PBMCs, and IFN $\beta$  secretion from THP-1 cells with low micromolar potency.

## References

Thomson DW, et al. *ACS Med Chem Lett.* 2019 Mar 11;10(5):780-785.

Chen S, et al. *Am J Transl Res.* 2021 Dec 15;13(12):13640-13653.

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

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