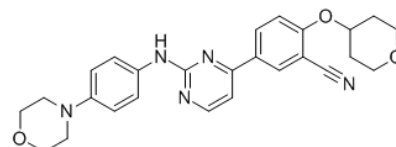


**Product Name** : TBK1-IN-1  
**Cat. No.** : PC-43042  
**CAS No.** : 1292310-49-6  
**Molecular Formula** : C<sub>26</sub>H<sub>27</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 457.5243  
**Target** : IκB kinase (IKK)  
**Solubility** : DMSO: 21.5 mg/mL



## Biological Activity

TBK1-IN-1 is a potent, ATP-competitive **TBK1** inhibitor, dose-dependently inhibits pIRF3(S386) in Panc 05.04 cells with IC<sub>50</sub> of 1.8 nM.

TBK1-IN-1 inhibits IRF3 nuclear translocation with IC<sub>50</sub> of 95 nM, but does not significantly inhibits cell proliferation in some NSCLC, pancreatic, and colorectal cell lines.

## References

Muvaffak A, et al. *Mol Cancer Res.* 2014 Jul;12(7):1055-66.

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

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