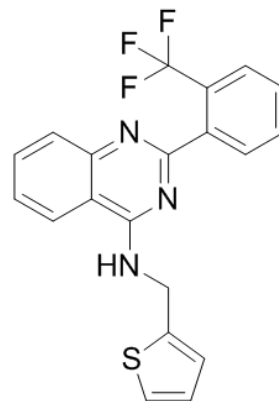


**Product Name** : NIH-12848  
**Cat. No.** : PC-42382  
**CAS No.** : 959551-10-1  
**Molecular Formula** : C<sub>20</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>S  
**Molecular Weight** : 385.4054696  
**Target** : Other Targets  
**Solubility** : DMSO: ≥ 28 mg/mL



## Biological Activity

NIH-12848 is a potent and selective **PI5P4K $\gamma$**  inhibitor with IC<sub>50</sub> of 1  $\mu$ M, shows no significant inhibitory activity for PI5P4K $\alpha$  and PI5P4K $\beta$  (>100  $\mu$ M).

NIH-12848 inhibits the translocation of Na<sup>+</sup>/K<sup>+</sup>-ATPase to the plasma membrane in mpkCCD cells.

NIH-12848 is a potentially powerful tool for exploring the cell physiology of PI5P4Ks.

## References

Clarke JH, et al. *Biochem J.* 2015 Mar 1;466(2):359-67.

Liang Q, et al. *Nat Chem Biol.* 2014 Apr;10(4):298-304.

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

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