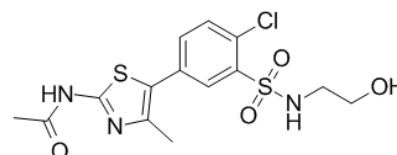


**Product Name** : PIK-93  
**Cat. No.** : PC-42861  
**CAS No.** : 593960-11-3  
**Molecular Formula** : C<sub>14</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>4</sub>S<sub>2</sub>  
**Molecular Weight** : 389.8775  
**Target** : PI4K  
**Solubility** : 10 mM in DMSO



## Biological Activity

PIK-93 is a potent, synthetic PI4K inhibitor with IC<sub>50</sub> of 19 nM (**PI4KIIIβ**), also inhibits PI3Kγ and PI3Kα with IC<sub>50</sub> of 16 nM and 39 nM, respectively.

PIK-93 also inhibits other PI3Ks, including PI3Kα, β, and δ, with IC<sub>50</sub> values of 39 nM, 0.59 μM, and 0.12 μM, shows no inhibitory effect against a panel of other kinases.

PIK-93 significantly inhibits the conversion of [3H]serine-labeled endogenous ceramide to sphingomyelin, reduces carbachol-induced translocation of TRPC6 to the plasma membrane and net Ca<sup>2+</sup> entry in T6.11 cells at 300 nM.

PIK-93 also demonstrates anti-enterovirus effects by inhibition of both poliovirus and **HCV** replication with EC<sub>50</sub> of 0.14 μM and 1.9 μM, respectively.

## References

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

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