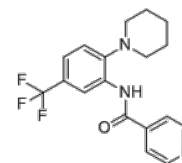


**Product Name** : SRPIN340  
**Cat. No.** : PC-49772  
**CAS No.** : 218156-96-8  
**Molecular Formula** : C<sub>18</sub>H<sub>18</sub>F<sub>3</sub>N<sub>3</sub>O  
**Molecular Weight** : 349.36  
**Target** : SRPK  
**Solubility** : 10 mM in DMSO



### Biological Activity

SRPIN340 (SRPIN 340) is a potent, highly selective inhibitor of serine-arginine-rich protein kinase (**SRPK1**) with K<sub>i</sub> value of 0.89 μM (SRPK1).

SRPIN340 does not significantly inhibit other SRPK, such as Clk1 and Clk4, as well as any additional Ser/Thr kinases.

SRPIN340 is highly specific for both kinases SRPK1 and SRPK2.

SRPIN340 inhibits SR phosphorylation by SRPK in Flp-In293 cells and promotes degradation of SRp75 in a dose-dependent manner.

SRPIN340 (40 μM) rescues Vero cells from the cytopathic effect of Sindbis virus, with IC<sub>50</sub> of 60 μM for Sindbis virus propagation.

SRPIN340 suppressed in a dose-dependent fashion expression of a HCV subgenomic replicon and replication of the HCV-JFH1 clone in vitro.

SRPIN340 also shows significant cytotoxic activity on lymphoid and myeloid leukemia cell lines, triggers early and late events of apoptosis.

### References

Fukuhara T, et al. *Proc Natl Acad Sci U S A*. 2006 Jul 25;103(30):11329-33.

Siqueira RP, et al. *PLoS One*. 2015 Aug 5;10(8):e0134882.

Karakama Y, et al. *Antimicrob Agents Chemother*. 2010 Aug;54(8):3179-86.

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

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