

SRPIN340

Catalog No: tcsc1681



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

218156-96-8

Formula:

$C_{18}H_{18}F_3N_3O$

Pathway:

Cell Cycle/DNA Damage

Target:

SRPK

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 42 mg/mL (120.22 mM)

Alternative Names:

SRPK inhibitor

Observed Molecular Weight:

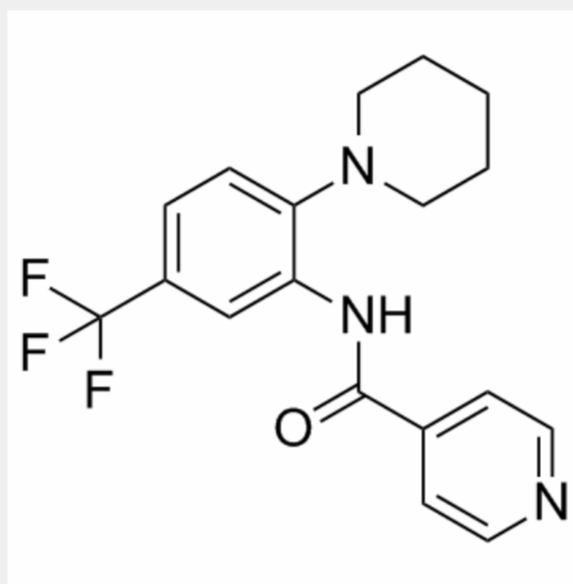
349.35

Product Description

SRPIN340 is an ATP-competitive serine-arginine-rich protein kinase (**SRPK**) inhibitor, with a K_i of 0.89 μM for SRPK1.

IC50 & Target: K_i : 0.89 μM (SRPK1)^[1]

In Vitro: SRPIN340 is a serine-arginine-rich protein kinase (SRPK) inhibitor, with a K_i of 0.89 μM for SRPK1. SRPIN340 also inhibits SRPK2, but shows no significant inhibition on other SRPK, such as Clk1 and Clk4. SRPIN340 promotes degradation of SRp75, which is necessary for HIV expression. SRPIN340 suppresses the propagation of Sindbis virus (IC_{50} , 60 μM) as well as severe acute respiratory syndrome virus^[1]. SRPIN340 shows inhibitory effect on leukemia cell lines, such as AML HL60, ALL-T Molt4 and Jurkat, with IC_{50} s of 44.7 μM , 92.2 μM and 82.3 μM , respectively^[2].



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