

JTK-853

Catalog No: tcsc0016935



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

954389-09-4

Formula:

$C_{28}H_{23}F_7N_6O_4S_2$

Pathway:

Anti-infection

Target:

HCV

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

704.64

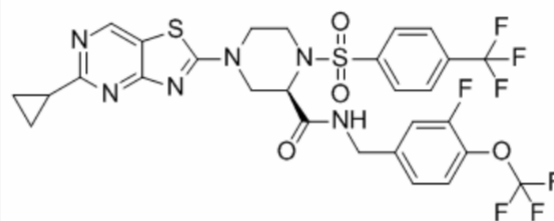
Product Description

JTK-853 is a novel, non-nucleoside **Hepatitis C Virus (HCV) polymerase** inhibitor which shows effective antiviral activity in **HCV replicon** cells with **EC₅₀**s of 0.38 and 0.035 μ M in genotype 1a H77 and 1b Con1 strains, respectively.

IC50 & Target: HCV polymerase^[1]

EC50: 0.38 μ M (1a H77 HCV), 0.035 μ M (1b Con1 HCV)^[1]

In Vitro: JTK-853 is a novel, non-nucleoside Hepatitis C Virus Polymerase inhibitor which shows effective antiviral activity in HCV replicon cells with EC₅₀s of 0.38 and 0.035 μ M in genotype 1a H77 and 1b Con1 strains, respectively. When JTK-853 is incubated with the replicon cells for 48 h, it shows antiviral activity against genotype 1a H77 and 1b Con1 replicon cells with EC₉₀ values of 6.5 \pm 0.5 and 0.34 \pm 0.05 μ M, respectively. At 10 μ M, JTK-853 induces apparent Huh-7.5 cell death in 2-week culture. JTK-853 suppresses the drug-resistant colony formation in the genotype 1a replicon cells, and the numbers of JTK-853-resistant colonies are much lower than those of GS-9190-resistant colonies for both genotypes^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!