Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 **EC_{50}**s of 0.38 and 0.035 μM in genotype 1a H77 and 1b Con1 strains, respectively.

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

IC50 & Target: HCV polymerase[1]

EC50: 0.38 μM (1a H77 HCV), 0.035 μM (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 EC_{50}s of 0.38 and 0.035 μM 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 EC_{90} values of 6.5±0.5 and 0.34±0.05 μM, respectively. At 10 μM, 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].