

# PSI-6130

Catalog No: tcsc0597



## Available Sizes

**Size:** 2mg

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

817204-33-4

**Formula:**

$C_{10}H_{14}FN_3O_4$

**Pathway:**

Metabolic Enzyme/Protease;Anti-infection

**Target:**

HCV Protease;HCV

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 50$  mg/mL (192.88 mM)

**Alternative Names:**

R 1656

**Observed Molecular Weight:**

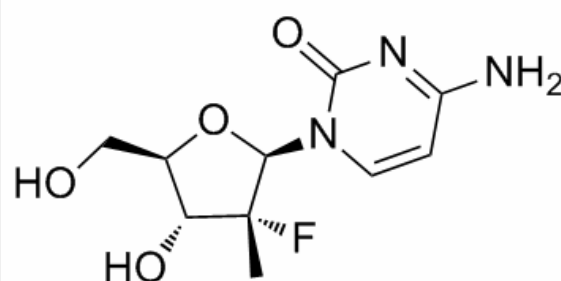
259.23

## Product Description

PSI-6130 is a potent and selective inhibitor of **HCV NS5B polymerase**, and inhibits HCV replication with a mean **IC<sub>50</sub>** of 0.6  $\mu\text{M}$ .

IC50 & Target: IC50: 0.6  $\mu\text{M}$  (HCV replication)<sup>[2]</sup>

***In Vitro:*** PSI-6130 exhibits potent and specific inhibitory activity against HCV RNA replication mediated by the NS5B polymerase. Both PSI-6130 inhibit HCV GT-1b (Con1 strain) and GT-1a (H77 strain) subgenomic RNA replication, with mean EC<sub>50</sub> values of 0.51 and 0.30  $\mu\text{M}$ , respectively. PSI-6130 inhibits 40% human serum with EC<sub>50</sub> of 0.51  $\mu\text{M}$ <sup>[1]</sup>. PSI-6130 inhibits HCV replication with a mean IC<sub>50</sub> of 0.6  $\mu\text{M}$ , PSI-6130-TP inhibits HCV replicase with a mean IC<sub>50</sub> of 0.34  $\mu\text{M}$ . PSI-6130-TP inhibits recombinant HCV Con1 NS5B on a heteropolymeric RNA template derived from the 3'-end of the negative strand of the HCV genome with an IC<sub>50</sub> of 0.13  $\mu\text{M}$  and K<sub>i</sub> of 0.023  $\mu\text{M}$ <sup>[2]</sup>.



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