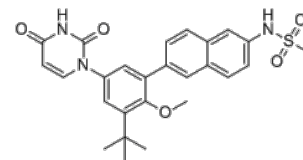


Product Name : Dasabuvir
Cat. No. : PC-21355
CAS No. : 1132935-63-7
Molecular Formula : C₂₆H₂₇N₃O₅S
Molecular Weight : 493.58
Target : HCV
Solubility : 10 mM in DMSO



Biological Activity

Dasabuvir (ABT-333) is a potent, selective, and nonnucleoside inhibitor of HCV NS5B polymerase with IC₅₀ of 2.2-10.7 nM for HCV genotype 1a and 1b.

Dasabuvir (ABT-333) displays >7,000-fold selective for HCV genotype 1 polymerases over human/mammalian polymerases.

Dasabuvir (ABT-333) inhibits genotype 1a (strain H77) and 1b (strain Con1) replicons with EC₅₀ values of 7.7 and 1.8 nM, respectively, with a 13-fold decrease in inhibitory activity in the presence of 40% human plasma, in HCV subgenomic replicon systems.

Dasabuvir (ABT-333) retains full activity against replicons known to confer resistance to other polymerase inhibitors, including the S282T variant in the nucleoside binding site and the M423T, P495A, P495S, and V499A single variants in the thumb domain.

References

Kati W, et al. Antimicrob Agents Chemother. 2015 Mar;59(3):1505-11.

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

E-mail: tech@probechem.com