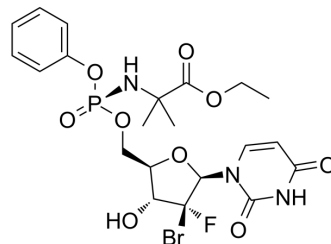


HCV-IN-40

Cat. No.:	HY-147764
CAS No.:	2087916-66-1
Molecular Formula:	C ₂₁ H ₂₆ BrFN ₃ O ₉ P
Molecular Weight:	594.32
Target:	HCV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HCV-IN-40 (Compound 18c) is a potent, orally active hepatitis C virus (HCV) nucleoside inhibitor with EC ₅₀ values of 0.259, 0.434 and 0.069 μM against GT1a, GT1b and GT1b CES1 replicons ^[1] .
IC ₅₀ & Target	EC ₅₀ : 0.069 μM (GT1b CES1), 0.259 μM (GT1a), 0.434 μM (GT1b) ^[1]
In Vivo	HCV-IN-40 (Compound 18c) (1 mg/kg) provides very high nucleotide triphosphate (TP) in dog liver ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chris Krueger A, et al. Synthesis and evaluation of 2'-dihalo ribonucleotide prodrugs with activity against hepatitis C virus. *Bioorg Med Chem*. 2020 Jan 1;28(1):115208.

Caution: Product has not been fully validated for medical applications. For research use only.

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