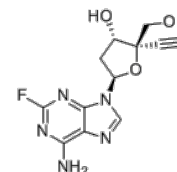


Product Name : MK-8591
Cat. No. : PC-61817
CAS No. : 865363-93-5
Molecular Formula : C₁₂H₁₂FN₅O₃
Molecular Weight : 293.25
Target : HIV
Solubility : 10 mM in DMSO



Biological Activity

MK-8591 (Islatravir, MK8591, EFdA) is a nucleoside analog that exhibits remarkable potency against wild-type and drug-resistant **HIVs**, inhibits **HIV-1 reverse transcriptase** with multiple mechanisms.

MK-8591 also retains potent activity against multinucleoside-resistant HIV-2 mutants (EC₅₀<11 nM).

References

Wu VH, et al. *Antimicrob Agents Chemother.* 2017 Jul 25;61(8). pii: e00744-17.

Salie ZL, et al. *Proc Natl Acad Sci U S A.* 2016 Aug 16;113(33):9274-9.

Michailidis E, et al. *J Biol Chem.* 2014 Aug 29;289(35):24533-48.

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

E-mail: tech@probechem.com