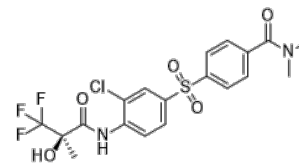


Product Name : Elvitegravir
Cat. No. : PC-23743
CAS No. : 697761-98-1
Molecular Formula : C₂₃H₂₃ClFNO₅
Molecular Weight : 447.89
Target : HIV
Solubility : 10 mM in DMSO



Biological Activity

Elvitegravir (JTK-303, GS-9137) is a potent, selective HIV-1 non-nucleoside reverse transcriptase inhibitor (NNRTI) with IC₅₀ of 7.2 nM in the strand transfer assay and EC₅₀ of 0.9 nM in acute HIV-1 infection assay.

Elvitegravir blocks strand transfer by viral integrase enzyme.

Elvitegravir inhibits HIV-1III_B, HIV-2EHO and HIV-2ROD with IC₅₀ of 0.7 nM, 2.8 nM and 1.4 nM, respectively.

References

Shimura K, et al. J Virol. 2008 Jan;82(2):764-74.

Sato M, et al. J Med Chem. 2006 Mar 9;49(5):1506-8.

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

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