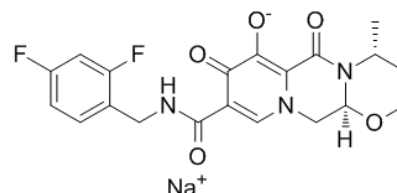


Product Name : Dolutegravir sodium
Cat. No. : PC-43418
CAS No. : 1051375-19-9
Molecular Formula : C₂₀H₁₈F₂N₃NaO₅
Molecular Weight : 441.3606
Target : HIV
Solubility : DMSO: ≥ 4.4 mg/mL; DMSO: < 12.6 mg/mL



Biological Activity

Dolutegravir sodium (GSK-1349572A) is a potent, next-generation HIV integrase (IN) inhibitor, inhibits HIV-1 integrase-catalyzed strand transfer with IC₅₀ of 2.7 nM; inhibits HIV-1 replication in PBMCs, MT-4 cells and in the PHIV assay with EC₅₀ of 0.51, 0.71 and 2.2 nM, respectively; demonstrates activity against site-directed molecular clones containing the raltegravir-resistant signature mutations Y143R, Q148K, N155H, and G140S/Q148H; exhibits excellent anti-HIV activity in combination with representative approved antiretroviral agents in vivo.

HIV Infection

Approved

References

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Hightower KE, et al. Antimicrob Agents Chemother. 2011 Oct;55(10):4552-9.

Hare S, et al. Mol Pharmacol. 2011 Oct;80(4):565-72.

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

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