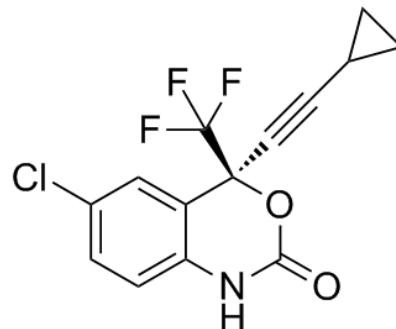


Product Name : Efavirenz
Cat. No. : PC-42660
CAS No. : 154598-52-4
Molecular Formula : C₁₄H₉ClF₃NO₂
Molecular Weight : 315.675
Target : HIV
Solubility : DMSO: ≥ 38 mg/mL



Biological Activity

Efavirenz (DMP 266, EFV) is a highly potent nonnucleoside inhibitor (**NNRTI**) of HIV-1 reverse transcriptase with K_i of 2.93 nM for WT HIV-1 RT.

Efavirenz (DMP 266, EFV) inhibits HIV-1 replicative spread in cell culture with IC₉₅ of 1.5 nM.

Efavirenz (DMP 266, EFV) exhibits activity against a panel of NNRTI-resistant mutant viruses.

Efavirenz (DMP 266, EFV) possesses good oral bioavailability and pharmacokinetics.

Efavirenz (DMP 266, EFV) induces autophagy and mitochondrial changes in neurons.

References

Young SD, et al. *Antimicrob Agents Chemother*. 1995 Dec;39(12):2602-5.

Purnell PR, et al. *J Pharmacol Exp Ther*. 2014 Nov;351(2):250-8.

Bertrand L, et al. *Mol Pharmacol*. 2015 Aug;88(2):304-15.

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

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