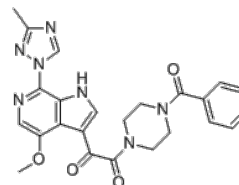


Product Name : Temsavir
Cat. No. : PC-38563
CAS No. : 701213-36-7
Molecular Formula : C₂₄H₂₃N₇O₄
Molecular Weight : 473.5
Target : HIV
Solubility : 10 mM in DMSO



Biological Activity

Temsavir (BMS-626529) is a highly potent, small molecule HIV-1 attachment inhibitor with IC₅₀ values of 2.26 nM, 0.34 nM and 1.3 nM for HIV-1 subtype A, B, and C envelope, respectively.

Temsavir (BMS-626529) binds to non-ligand bound HIV-1 gp120 to inhibit HIV-1 interaction with host CD4+ T cells and subsequent HIV-1 binding and cell entry.

Temsavir (BMS-626529) inhibits infectivity of laboratory strains and clinical isolates of HIV-1 with EC₅₀s of 0.4-2,000 nM, with no significant cytotoxic effect.

Temsavir (BMS-626529) is the active form of Fostemsavir.

References

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Wang T, et al. J Med Chem. 2018 Jul 26;61(14):6308-6327.

Lai YT, et al. Nat Commun. 2019 Jan 3;10(1):47.

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

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