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**Product Data Sheet**

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Product Name: FNC-TP  
Cat. No.: GC63541

**Chemical Properties**

Cas. No. 2457357-99-0

Formula  $C_9H_{14}FN_6O_{13}P_3$  M.Wt 526.16

Solubility  $H_2O$  : 10 mg/mL (19.01 mM; Need ultrasonic) Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

FNC-TP is the intracellular active form of FNC. FNC is a potent nucleoside reverse transcriptase inhibitor (NRTI), with antiviral activity on HIV, HBV and HCV[1].

FNC (0.1-10 nM; 24-240 h) is found mainly to accumulate in these HIV-1 target cells, and the retention of FNC-TP is 2-4 times higher than in other types of cells[1].

FNC (1-6 mg/kg; a single p.o.) could enter rhesus macaque PBMCs and form the active nucleoside triphosphate FNC-TP[1].

[1]. Sun L, et, al. Mechanistic Insight into Antiretroviral Potency of 2'-Deoxy-2'- $\beta$ -fluoro-4'-azidocytidine (FNC) with a Long-Lasting Effect on HIV-1 Prevention. J Med Chem. 2020 Aug 13;63(15):8554-8566.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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