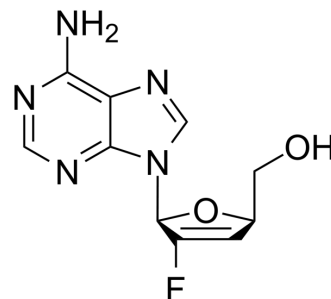


## L-Fd4A

Cat. No.:	HY-148172
CAS No.:	210474-65-0
Molecular Formula:	C <sub>10</sub> H <sub>10</sub> FN <sub>5</sub> O <sub>2</sub>
Molecular Weight:	251.22
Target:	HIV; HBV; Nucleoside Antimetabolite/Analog
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	L-Fd4A is an adenine derivative. L-Fd4A has anti-human immunodeficiency virus (HIV) (EC <sub>50</sub> =1.5 μM) and anti-hepatitis B virus (HBV) (EC <sub>50</sub> =1.7 μM) activity. L-Fd4A has low cytotoxicity <sup>[1]</sup> .
<b>In Vitro</b>	L-Fd4A (compound 36) has no toxicity in PBM, Vero and CEM cells. L-Fd4A shows any effect on mitochondrial DNA of CEM cells upon long-term exposure <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Lee K, et, al. Synthesis and anti-HIV and anti-HBV activities of 2'-fluoro-2', 3'-unsaturated L-nucleosides. J Med Chem. 1999 Apr 8;42(7):1320-8.

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

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