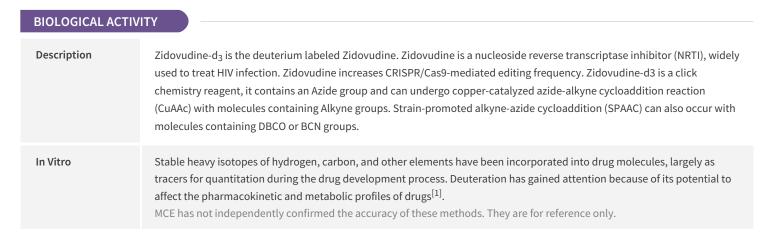
## Zidovudine-d<sub>3</sub>

Cat. No.:	HY-17413S
Molecular Formula:	$C_{10}H_{10}D_3N_5O_4$
Molecular Weight:	270.26
Target:	HIV; CRISPR/Cas9; Isotope-Labeled Compounds
Pathway:	Anti-infection; Cell Cycle/DNA Damage; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

[2]. Gray LR, et al. The NRTIs lamivudine, stavudine and zidovudine have reduced HIV-1 inhibitory activity in astrocytes. PLoS One. 2013 Apr 16;8(4):e62196.

[3]. Hou P, et al. Genome editing of CXCR4 by CRISPR/cas9 confers cells resistant to HIV-1 infection. Sci Rep. 2015 Oct 20;5:15577.

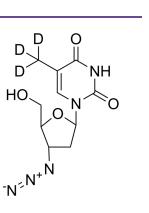
[4]. Mizutani T, et al. Nucleoside Reverse Transcriptase Inhibitors Suppress Laser-Induced Choroidal Neovascularization in Mice. Invest Ophthalmol Vis Sci. 2015 Nov;56(12):7122-9.

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

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HO





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