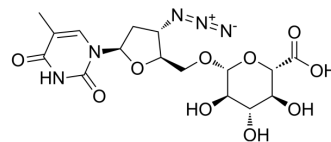


Zidovudine O-β-D-glucuronide

Cat. No.:	HY-137522A
CAS No.:	117675-21-5
Molecular Formula:	C ₁₆ H ₂₁ N ₅ O ₁₀
Molecular Weight:	443.37
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Zidovudine O-β-D-glucuronide (3'-Azido-3'-deoxythymidine β-D-glucuronide) sodium is the major metabolite of Zidovudine. Zidovudine is a nucleoside reverse transcriptase inhibitor (NRTI), widely used to treat HIV infection ^{[1][2]} .
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REFERENCES

- [1]. Fayz S, et, al. Zidovudine azido-reductase in human liver microsomes: activation by ethacrynic acid, dipyridamole, and indomethacin and inhibition by human immunodeficiency virus protease inhibitors. *Antimicrob Agents Chemother.* 1998 Jul;42(7):1654-8.
- [2]. Bélanger AS, et, al. Glucuronidation of the antiretroviral drug efavirenz by UGT2B7 and an in vitro investigation of drug-drug interaction with zidovudine. *Drug Metab Dispos.* 2009 Sep;37(9):1793-6.

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

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