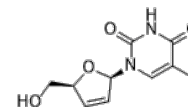


Product Name : Stavudine
Cat. No. : PC-28305
CAS No. : 3056-17-5
Molecular Formula : C₁₀H₁₂N₂O₄
Molecular Weight : 224.22
Target : NOD-like Receptor (NLR)
Solubility : 10 mM in DMSO



Biological Activity

Stavudine (d4T) is a nucleoside reverse transcriptase inhibitor (NRTI), inhibits HIV-1 reverse transcriptase, also blocks NLRP3 inflammasome activation.

Stavudine (d4T) inhibits LPS/ATP-induced Caspase-1 maturation in primary mouse bone marrow-derived macrophages.

Stavudine (d4T) specifically inhibits P2X7-dependent inflammasome activation.

Stavudine (d4T) reduces NLRP3 inflammasome activation and modulates Amyloid-β autophagy.

References

Moyle GJ, et al. Antivir Ther. 1997;2(4):207-218.

Riddler SA, et al. Antiviral Res. 1995;27(3):189-203.

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

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