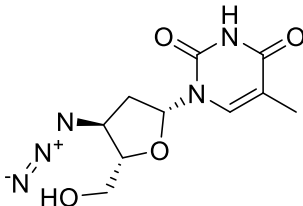


Certificate of Analysis

| MedKoo Cat#: | Product Name: | Lot#: |
|--------------|---------------|-----------|
| 318994 | Zidovudine | T20C02I04 |

| Chemical name | |
|---|--|
| 1-[(2R,4S,5S)-4-azido-5-(hydroxymethyl)oxolan-2-yl]-5-methylpyrimidine-2,4-dione | |
| Synonyms | |
| BW A509U; BWA 509U; BWA-509U; BWA509U; ZDV; AZT; azidothymidine; Zidovudine; brand name Retrovir. | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Cat#: 318994 Name: Zidovudine CAS#: 30516-87-1 Lot#: T20C02I04 Chemical Formula: C ₁₀ H ₁₃ N ₅ O ₄ Exact Mass: 267.09675 Molecular Weight: 267.25 |

| Analysis item | Specifications / Results |
|--------------------|--|
| Appearance | White to off-white solid powder |
| Structure | ¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature. |
| Purity (HPLC) | >98.0% |
| Solubility | Soluble in DMSO |
| Conclusion | This product conforms with MedKoo's quality standards |
| Shipping condition | Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs. |
| Storage condition | Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition |
| Shelf life | At least 5 years if properly stored. |

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE