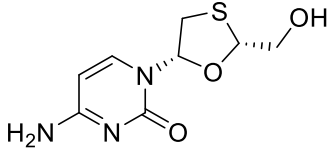




Certificate of Analysis

| | | |
|---------------------|----------------------|--------------|
| MedKoo Cat#: | Product Name: | Lot#: |
| 318085 | Lamivudine | C20B02B03 |

| | |
|---|---|
| Chemical name | |
| 4-amino-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidin-2-one | |
| Synonyms | |
| Lamivudine, 3TC, Epivir, Zeffix, Heptovir, BCH-189 | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Cat#: 318085 Name: Lamivudine CAS#: 134678-17-4 Lot#: C20B02B03 Chemical Formula: C ₈ H ₁₁ N ₃ O ₃ S Exact Mass: 229.0521 Molecular Weight: 229.26 |

| 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