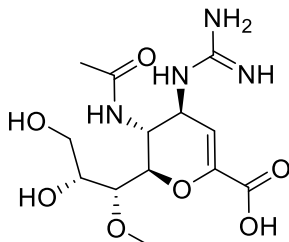




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
598292	Laninamivir free base	A21T02K08

Chemical name	
(4S,5R,6R)-5-Acetamido-4-guanidino-6-((1R,2R)-2,3-dihydroxy-1-methoxypropyl)-5,6-dihydro-4H-pyran-2-carboxylic acid	
Synonyms	
Laninamivir; R-125489; R 125489; R125489; CS8958; CS-8958; CS 8958	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 598292 Name: Laninamivir free base CAS#: 203120-17-6 (free base) Lot#: A21T02K08 Chemical Formula: C ₁₃ H ₂₂ N ₄ O ₇ Exact Mass: 346.1488 Molecular Weight: 346.34

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)	>99.0%
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