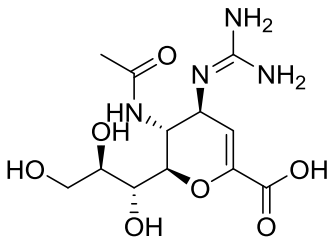




## Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
318993	Zanamivir	C20M01C27

Chemical name	
(2R,3R,4S)-3-acetamido-4-(diaminomethylideneamino)-2-[(1R,2R)-1,2,3-trihydroxypropyl]-3,4-dihydro-2H-pyran-6-carboxylic acid	
Synonyms	
GR-121167X; GR121167X; GR 121167X; GG167; GG-167; GG 167; Zanamivir; trade name Relenza	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 318993 Name: Zanamivir CAS#: 139110-80-8 (free base) Lot#: C20M01C27 Chemical Formula: C <sub>12</sub> H <sub>20</sub> N <sub>4</sub> O <sub>7</sub> Exact Mass: 332.1332 Molecular Weight: 332.313

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	<sup>1</sup> 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**