

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 28794

**Product**

**Zanamivir hydrate**

5-(Acetylamino)-4-[(aminoiminomethyl)amino]-2,6-anhydro- 3,4,5-trideoxy-D-glycero-D-galacto-non-2-enonic acid

**CAS Number** 139110-80-8

**Molecular Formula** C<sub>12</sub>H<sub>20</sub>N<sub>4</sub>O<sub>7</sub>•H<sub>2</sub>O

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**Appearance** White to off-white crystalline powder

**Solubility** Soluble in water, slightly soluble in methanol, insoluble in ethyl ether

**Melting Point** 240 - 255 °C

**Heavy Metals** ≤ 20 ppm

**Optical Rotation** [α]<sup>20</sup><sub>D</sub> = 33 - 42 ° (C=0.9 in water)

**Infrared Spectrum** Conforms to structure

**Loss on Drying** 4.5 - 6.0%

**Residual Solvents** Isopropanol : ≤ 5000 ppm  
Methanol : ≤ 3000 ppm

**Related Substances** Any single impurity : ≤ 1.0%  
Total impurity : ≤ 1.5%

**Purity by HPLC** 98 - 102%

**Grade** USP

**Storage** Store at 0-8°C

**For Laboratory Use Only**