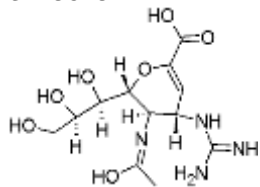


PRODUCT: Zanamivir

ALTERNATE NAMES: (2R,3R,4S)-3-acetamido-4-(diaminomethylideneamino)-2-[(1R,2R)-1,2,3-trihydroxypropyl]-3,4-dihydro-2H-pyran-6-carboxylic acid

CATALOG NUMBER: B1900-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₂H₂₀N₄O₇

MOLECULAR WEIGHT: 332.31

CAS NUMBER: 139110-80-8

APPEARANCE: White solid

SOLUBILITY: DMSO (>15 mg/ml) or H₂O (10 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Zanamivir is a potent and selective inhibitor of influenza A and B virus neuraminidases with IC₅₀ values of 0.95 nM and 2.7 nM, respectively. It interacts with a group of amino acids in the active site of neuraminidase, that are conserved in all influenza A and B strains. Zanamivir blocks the action of neuraminidase, which blocks the cleavage of sialic acid on the cell receptors, thus preventing release and spread of the newly formed virions.

REFERENCES: McKimm-Breschkin, JL. (2005). *Treat Resp. Med.* **4**, 107-116.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Acyclovir (**Cat. No. 2200-50, 250**)

5-Azacytidine (**Cat. No. 1854-50, 250**)

6-Azauridine (**Cat. No. B1024-100, 500**)

(-)-6-Azauridine 2', 3',5'-triacetate (**Cat. No. B1025-50, 250**)

Azidothymidine (**Cat. No. B1113-10, 50**)

BMS-626529 (**Cat. No. B1557-5,25**)

Clemizole (**Cat. No. 2481-10,50**)

GSK1349572 (**Cat. No. 2288-5, 25**)

Oseltamivir Phosphate (**Cat. No. B1885-50,250**)

Oseltamivir Acid (**Cat. No. B1886-1,5**)

Ribavirin (**Cat. No. 2199-10, 50**)

Simeprevir (**Cat. No. B1173-5,25**)

T-705 (Favipiravir) (**Cat. No. 2778-5,25**)

Troviridine (**Cat. No. B1212-10, 50**)

Valacyclovir hydrochloride (**Cat. No. 2201-10, 50**)

Velpatasvir (**Cat. No. B1194-5,25**)

Zanamivir (**Cat. No. B1900-10,50**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**