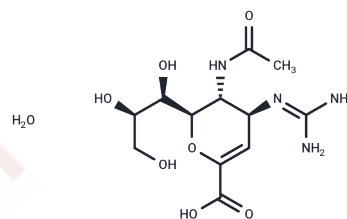


Zanamivir hydrate

Chemical Properties

CAS No. :	551942-41-7
Formula:	C ₁₂ H ₂₂ N ₄ O ₈
Molecular Weight:	350.33
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Zanamivir hydrate is neuraminidase inhibitors. It is used worldwide for the treatment and prophylaxis of influenza caused by influenza A and B viruses.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8545 mL	14.2723 mL	28.5445 mL
5 mM	0.5709 mL	2.8545 mL	5.7089 mL
10 mM	0.2854 mL	1.4272 mL	2.8545 mL
50 mM	0.0571 mL	0.2854 mL	0.5709 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Heneghan CJ, Onakpoya I, Thompson M, Spencer EA, Jones M, Jefferson T. Zanamivir for influenza in adults and children: systematic review of clinical study reports and summary of regulatory comments. *BMJ*. 2014 Apr 9;348:g2547. doi: 10.1136/bmj.g2547. Review. PubMed PMID: 24811412; PubMed Central PMCID: PMC3981976.
- Pizzorno A, Abed Y, Rhéaume C, Boivin G. Oseltamivir-zanamivir combination therapy is not superior to zanamivir monotherapy in mice infected with influenza A(H3N2) and A(H1N1)pdm09 viruses. *Antiviral Res*. 2014 May;105:54-8. doi: 10.1016/j.antiviral.2014.02.017. Epub 2014 Feb 28. PubMed PMID: 24583158.
- Chan-Tack KM, Kim C, Moruf A, Birnkrant DB. Clinical experience with intravenous zanamivir under an Emergency IND program in the United States (2011-2014). *Antivir Ther*. 2015;20(5):561-4. doi: 10.3851/IMP2944. Epub 2015 Feb 10. Review. PubMed PMID: 25667992.
- Dunstan HJ, Mill AC, Stephens S, Yates LM, Thomas SH. Pregnancy outcome following maternal use of zanamivir or oseltamivir during the 2009 influenza A/H1N1 pandemic: a national prospective surveillance study. *BJOG*. 2014 Jun;121(7):901-6. doi: 10.1111/1471-0528.12640. Epub 2014 Mar 7. PubMed PMID: 24602087.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481