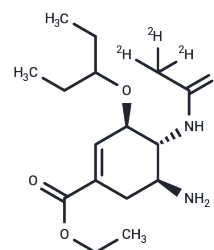


## Osetamivir-D3

### Chemical Properties

CAS No. : 1093851-61-6  
 Formula: C<sub>16</sub>H<sub>25</sub>D<sub>3</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 315.42  
 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	Osetamivir-D3 is a deuterated compound of Osetamivir. Osetamivir (T5186L) has a CAS number of 196618-13-0. Osetamivir (T5186L) (GS 4104) is an orally active and highly potent viral neuraminidase (NA) with antiviral activity, inhibits A/H3N2, A/H1N2, A/H1N1 and influenza B viruses, and can be used in studies of influenza and pneumonia.
Targets(IC50)	Influenza Virus

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1704 mL	15.8519 mL	31.7038 mL
5 mM	0.6341 mL	3.1704 mL	6.3408 mL
10 mM	0.317 mL	1.5852 mL	3.1704 mL
50 mM	0.0634 mL	0.317 mL	0.6341 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

- O Ferraris, et al. Sensitivity of Influenza Viruses to Zanamivir and Osetamivir: A Study Performed on Viruses Circulating in France Prior to the Introduction of Neuraminidase Inhibitors in Clinical Practice. *Antiviral Res.* 2005 Oct;68(1):43-8.

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