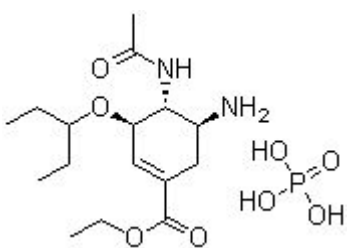


## Product Introduction

### Oseltamivir phosphate

Oseltamivir phosphate (Tamiflu) is a competitive neuraminidase inhibitor.

#### Technical Data:

<b>Molecular Weight (MW):</b>	410.4	
<b>Formula:</b>	C <sub>16</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub> ·H <sub>3</sub> PO <sub>4</sub>	
<b>Solubility (25°C)</b>	DMSO 2 mg/mL	
<b>* &lt;1 mg/ml means slightly soluble or insoluble:</b>	Water <1 mg/mL	
	Ethanol <1 mg/mL	
<b>Purity:</b>	>98%	
<b>Storage:</b>	3 years -20°C Powder	
	6 months-80°C in DMSO	
<b>CAS No.:</b>	204255-11-8	

#### Biological Activity

Oseltamivir phosphate (Tamiflu) is a competitive neuraminidase inhibitor. The prodrug oseltamivir phosphate (Tamiflu) is itself not virally effective; however, once in the liver, it is converted by natural chemical processes, hydrolysed hepatically to its active metabolite, the free carboxylate of oseltamivir (GS4071). Oseltamivir phosphate (Tamiflu) serves as a competitive inhibitor towards sialic acid, found on the surface proteins of normal host cells. By blocking the activity of the viral neuraminidase enzyme, oseltamivir phosphate (Tamiflu) prevents new viral particles from being released by infected cells.

Note: Products protected by valid patents are not offered for sale in countries where the sale of such products constitutes a patent infringement and its liability is at buyer's risk. This item is only for R&D purpose not for commercial business in kilos. Buyers should overview the patent issue in their countries.

Oseltamivir phosphate (Tamiflu) is an antiviral drug that slows the spread of influenza (flu) virus between cells in the body by stopping the virus from chemically cutting ties with its host cell. [1][2][3]

## References

[1] <http://en.wikipedia.org/wiki/Oseltamivir> ;

[2] PLoS Comput Biol. 2010 Sep 23;6(9)

[3] Microbes Infect. 2010 Sep;12(10):778-83



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