



LKT Laboratories, Inc.

Osetamivir Phosphate

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Product Information

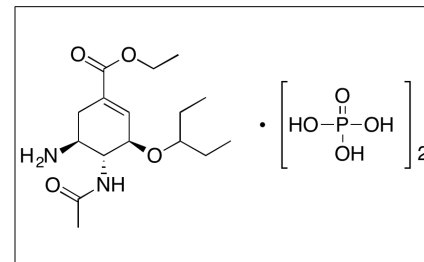
Product ID O7218
CAS No. 204255-11-8
Chemical Name

Synonym

Formula $C_{16}H_{28}N_2O_4 \cdot H_3PO_4$
Formula Wt. 410.4
Melting Point
Purity $\geq 98\%$
Solubility

Store Temp 4°C
Ship Temp Ambient

Description Osetamivir is an antiviral compound that is used clinically to treat influenza infection. Osetamivir covalently inhibits viral neuraminidase. This compound may also inhibit monoamine oxidase A (MAO-A), increasing dopamine levels in the brain.



Bulk quantities available upon request

Product ID	Size
O7218	10 mg
O7218	25 mg
O7218	100 mg

References Huang L, Cao Y, Zhou J, et al. A conformational restriction in influenza A virus neuraminidase binding site by R152 caused the combinational effect of I222T with H274Y on oseltamivir resistance. *Antimicrob Agents Chemother.* 2013 Dec 23. [Epub ahead of print]. PMID: 24366752.

Vavricka CJ, Liu Y, Kiyota H, et al. Influenza neuraminidase operates via a nucleophilic mechanism and can be targeted by covalent inhibitors. *Nat Commun.* 2013;4:1491. PMID: 23422659.

Hiasa M, Isoda Y, Kishimoto Y, et al. Inhibition of MAO-A and stimulation of behavioural activities in mice by the inactive prodrug form of the anti-influenza agent oseltamivir. *Br J Pharmacol.* 2013 May;169(1):115-29. PMID: 23320399.

Jefferson T, Jones MA, Doshi P, et al. Neuraminidase inhibitors for preventing and treating influenza in healthy adults and children. *Cochrane Database Syst Rev.* 2012 Jan 18;1:CD008965. PMID: 22258996.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.