Zanamivir (Relenza) and Oseltamivir (Tamiflu)

Zanamivir (Relenza) and Oseltamivir (Tamiflu) are antiviral medications used to treat and provide prophylaxis against influenza A and B. These drugs work by binding to neuraminidase, preventing the virus from escaping its host cell and infecting others.



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Indications

Influenza A and B
Flute-virus (A) Apple and (B) Bee
Zanamivir and Oseltamivir are indicated for treating infection from influenza A and B viruses.

Treatment and Prophylaxis
Tx and Purple-axes
Thess drugs are used in treating influenza infection, and shows to decrease symptoms by a day. It can also be used in providing prophylaxis in patients who are exposed to the virus, and has shown to decrease infection by 1-12%.

Mechanism

Inhibits Release of New Virus
Inhibiting-chains on Virus Exit
These drugs render the virus unable to escape from the host cell that it has infected. Thus, it is unable to infect other cells.

Inhibits Influenza Neuraminidase
Inhibiting-chains on Neuron-mini-daisies
Zanamivir and Oseltamivir work to inhibit viral transmission by binding to the active site of viral neuraminidase. This make the infected host cell unable to bud.

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