



Catalog # 10-4483

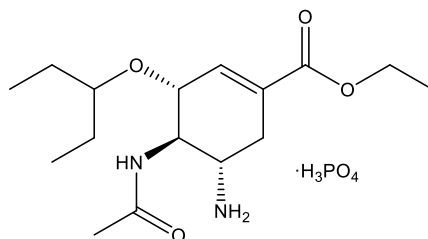
Oseltamivir phosphate

CAS# 204255-11-8

Ethyl (3R,4R,5S)-4-acetamido-5-amino-3-pentan-3-yloxycyclohexene-1-carboxylate phosphoric acid salt; GS4104;

Tamiflu

Lot # FBS2080



Oseltamivir phosphate (204255-11-9) is a potent viral neuraminidase inhibitor and a clinically useful treatment for influenzas A and B.^{1,2} Oseltamivir is a prodrug that is converted to the active acid *in vivo* – IC₅₀ for active acid *in vitro* = 2 nM.³

- 1) Sidwell *et al.* (1998), *Inhibition of influenza virus infections in mice by GS4104, an orally effective influenza virus neuraminidase inhibitor*; Antiviral Res., **37** 107
- 2) McClellan and Perry (2001), *Oseltamivir: A Review of Its Use in Influenza*; Drugs, **61** 263
- 3) Li *et al.* (1998), *Identification of GS4104 as an orally bioavailable prodrug of the influenza virus neuraminidase inhibitor GS4071*; Antimicrob. Agents Chemother., **42** 647

PHYSICAL DATA

Molecular Weight:	410.40
Molecular Formula:	C ₁₆ H ₂₈ N ₂ O ₄ ·H ₃ PO ₄
Purity:	>99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (40 mg/ml); water (>40 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or water may be stored at -20°C for up to 3 months.

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