

Oseltamivir (phosphate)

Catalog No: tcsc0871



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

204255-11-8

Formula:

$C_{16}H_{31}N_2O_8P$

Pathway:

Anti-infection

Target:

Influenza Virus

Purity / Grade:

>98%

Solubility:

H₂O : 125 mg/mL (304.58 mM; Need ultrasonic and warming); DMSO : ≥ 150 mg/mL (365.50 mM)

Alternative Names:

GS 4104

Observed Molecular Weight:

410.4

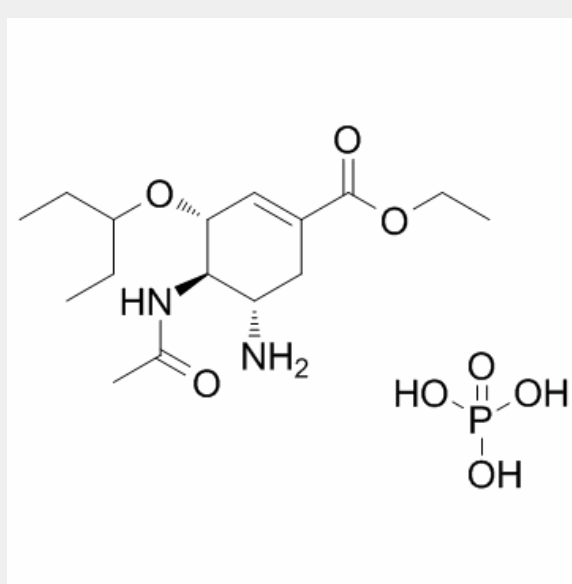
Product Description

Oseltamivir phosphate (GS 4104) is a neuraminidase inhibitor recommended for the treatment and prophylaxis of **influenza A** and **B**.

IC50 & Target: Influenza A and B^[1]

In Vitro: Oseltamivir phosphate (OP) is a prodrug that is readily absorbed from the gastrointestinal tract after oral administration and is extensively converted predominantly by hepatic esterases to Oseltamivir carboxylate (OC)^[1]. Oseltamivir phosphate is a widely used anti-influenza sialidase inhibitor. The metabolic activity of CMA07 and CMT-U27 cell lines is significantly decreased with 305 μ M Oseltamivir phosphate treatment ($p=0.005$ and $p[2]$).

In Vivo: Oseltamivir phosphate-treated mice present significantly more inflammatory infiltrate in primary tumors ($p=0.01$). Ki-67 antigen and caspase-3 protein are used to assess CMT-U27 xenograft tumor cell proliferation and apoptosis respectively. Virtually no differences are found in Ki-67 and caspase 3 ($p=0.2$) expression between Oseltamivir-treated and non-treated mice^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!