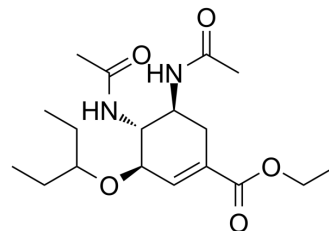


Oseltamivir-acetate

Cat. No.:	HY-43575		
CAS No.:	1191921-01-3		
Molecular Formula:	C ₁₈ H ₃₀ N ₂ O ₅		
Molecular Weight:	354.44		
Target:	Influenza Virus		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (141.07 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg			5 mg			10 mg		
			Concentration			Concentration			Concentration		
1 mM			2.8214 mL			14.1068 mL			28.2135 mL		
5 mM			0.5643 mL			2.8214 mL			5.6427 mL		
10 mM			0.2821 mL			1.4107 mL			2.8214 mL		

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Oseltamivir-acetate is an impurity of Oseltamivir. Oseltamivir is a neuraminidase inhibitor recommended for the treatment and prophylaxis of influenza A and B^{[1][2]}.

REFERENCES

- [1]. Huang H, et al. Transplacental transfer of Oseltamivir phosphate and its metabolite Oseltamivir carboxylate using the ex vivo human placenta perfusion model in

Chinese Hans population. J Matern Fetal Neonatal Med. 2016 Aug 8:1-5.

[2]. de Oliveira JT, et al. Anti-influenza neuraminidase inhibitor Oseltamivir phosphate induces canine mammary cancer cell aggressiveness. PLoS One. 2015 Apr 7;10(4):e0121590.

Caution: Product has not been fully validated for medical applications. For research use only.

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