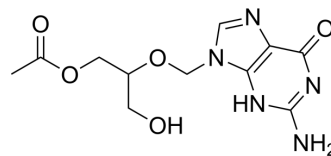


Ganciclovir mono-O-acetate

Cat. No.:	HY-41344		
CAS No.:	88110-89-8		
Molecular Formula:	C ₁₁ H ₁₅ N ₅ O ₅		
Molecular Weight:	297.27		
Target:	Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (168.20 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.3639 mL	16.8197 mL	33.6395 mL
	5 mM	0.6728 mL	3.3639 mL	6.7279 mL
	10 mM	0.3364 mL	1.6820 mL	3.3639 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (8.41 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Ganciclovir mono-O-acetate is a derivative of Ganciclovir. Ganciclovir, a nucleoside analogue, is an orally active antiviral agent with activity against CMV^[1].

In Vitro

Ganciclovir mono-o-acetate is a mono-O-acetate ester of Ganciclovir.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Faulds D, et al. Ganciclovir. A review of its antiviral activity, pharmacokinetic properties and therapeutic efficacy in cytomegalovirus infections. *Drugs*. 1990;39(4):597-638.

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

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