



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

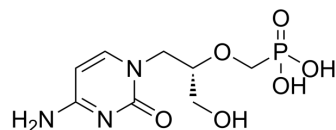
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Cidofovir (Standard)

Cat. No.:	HY-17438R
CAS No.:	113852-37-2
Molecular Formula:	C ₈ H ₁₄ N ₃ O ₆ P
Molecular Weight:	279.19
Target:	Endogenous Metabolite; CMV; DNA/RNA Synthesis; Orthopoxvirus; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Anti-infection; Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cidofovir (Standard) is the analytical standard of Cidofovir. This product is intended for research and analytical applications. Cidofovir (GS 0504) is an acyclic monophosphate nucleotide analogue and CMV inhibitor with antiviral activity. Cidofovir inhibits cytomegalovirus (CMV) replication by selectively inhibiting viral DNA polymerase. Cidofovir induces apoptosis and can be used in studies of AIDS cytomegalovirus retinitis, herpes, and cancer^{[1][3]}. Cidofovir also has anti-orthopoxvirus and anti-variola activities^[4].

REFERENCES

- [1]. David J Maggs, et al. In vitro efficacy of ganciclovir, cidofovir, penciclovir, foscarnet, idoxuridine, and acyclovir against feline herpesvirus type-1. *Am J Vet Res.* 2004 Apr;65(4):399-403.
- [2]. M Bray, et al. Cidofovir protects mice against lethal aerosol or intranasal cowpox virus challenge. *J Infect Dis.* 2000 Jan;181(1):10-9.
- [3]. Simona Catalani, et al. Reduced cell viability and apoptosis induction in human thyroid carcinoma and mesothelioma cells exposed to cidofovir. *Toxicol In Vitro.* 2017 Jun;41:49-55.
- [4]. Robert O Baker, et al. Potential antiviral therapeutics for smallpox, monkeypox and other orthopoxvirus infections. *Antiviral Res.* 2003 Jan;57(1-2):13-23.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA