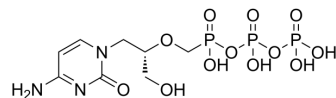


Cidofovir diphosphate

Cat. No.:	HY-131606
CAS No.:	142276-31-1
Molecular Formula:	C ₈ H ₁₆ N ₃ O ₁₂ P ₃
Molecular Weight:	439.15
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cidofovir diphosphate is an active intracellular metabolite of Cidofovir. Cidofovir diphosphate is a selective inhibitor of viral DNA polymerases with K _i values of 6.6, 0.86 and 1.4 μM for HCMV, HSV-1 and HSV-2 DNA polymerase, respectively ^{[1][2]} .
IC ₅₀ & Target	Viral DNA polymerase ^[1]

REFERENCES

- [1]. Hitchcock MJM, et al. Cidofovir, a New Agent with Potent Anti-Herpesvirus Activity. 1996.
- [2]. Magee WC, et al. Mechanism of inhibition of vaccinia virus DNA polymerase by cidofovir diphosphate. Antimicrob Agents Chemother. 2005 Aug;49(8):3153-62.

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

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