
Product Data Sheet

Product Name: Cidofovir diphosphate tri(triethylamine)

Cat. No.: GC68287

Chemical Properties

Cas. No.

Formula $C_{26}H_{61}N_6O_{12}P_3$

M.Wt 742.72

Solubility H₂O : 250 mg/mL (336.60 mM; Need ultrasonic)

Storage Store at -20°C, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Cidofovir diphosphate tri triethylamine is an active intracellular metabolite of Cidofovir. Cidofovir diphosphate tri triethylamine is a selective inhibitor of **viral DNA polymerases** with K_i values of 6.6, 0.86 and 1.4 μ M for HCMV, HSV-1 and HSV-2 DNA polymerase, respectively^{[1][2]}.

Cidofovir diphosphate tri triethylamine (0-1000 μ M) inhibits HCMV, HSV-1, HSV-2, human α , human β and human γ DNA polymerase with K_i values of 6.6, 0.86, 1.4, 51, 520 and 300 μ M, respectively^[1].

Cidofovir diphosphate tri triethylamine (0.3-30 μ M) inhibits vaccinia virus DNA polymerase with a K_M value of 23 μ M^[2].

[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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