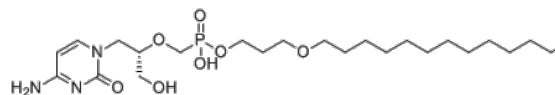


Product Name : Brincidofovir
Cat. No. : PC-62054
CAS No. : 444805-28-1
Molecular Formula : C₂₇H₅₂N₃O₇P
Molecular Weight : 561.701
Target : CMV
Solubility : 10 mM in DMSO



Biological Activity

Brincidofovir (CMX001, Cidofovir HDP) is a lipid conjugate of the acyclic nucleotide phosphonate, cidofovir that shows activity against all five families of dsDNA viruses that cause human morbidity and mortality, including orthopoxviruses such as variola virus, the cause of human smallpox.

Brincidofovir has a number of advantages for treatment of smallpox in an emergency including greater potency in vitro against all dsDNA viruses that cause human disease, a high genetic barrier to resistance, convenient oral administration as a tablet or liquid, and no evidence to date of nephrotoxicity in either animals or humans.

References

Toth K, et al. *Proc Natl Acad Sci U S A*. 2008 May 20;105(20):7293-7.

Lanier R, et al. *Viruses*. 2010 Dec;2(12):2740-2762.

McMullan LK, et al. *Antiviral Res*. 2016 Jan;125:71-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com