

Product Name	: Brincidofovir
Synonyms	: CMX 001; Cidofovir HDP
Cat No.	: M14523
CAS Number	: 444805-28-1
Molecular Formula	: C ₂₇ H ₅₂ N ₃ O ₇ P
Formula Weight	: 561.70
Chemical Name	: 3-(hexadecyloxy)propyl hydrogen (((S)-1-(4-amino-2-oxopyrimidin-1(2H)-yl)-3-hydroxypropan-2-yl)oxy)methyl)phosphonate
Description	Brincidofovir (CMX 001; 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; 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. CMV Infection Phase 3 Clinical
Pathway	: Microbiology/Virology
Target	: CMV
Receptor	: CMV
Solubility	: DMSO : 1 mg/mL 1.78 mM
SMILES	: <chem>CCCCCCCCCCCCCCCCCOP(=O)(COC(CN1C=CC(=NC1=O)N)CO)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Toth K, et al. Proc Natl Acad Sci U S A. 2008 May 20;105(20):7293-7. | 2. Lanier R, et al. Viruses. 2010 Dec;2(12):2740-2762. | 3. McMullan LK, et al. Antiviral Res. 2016 Jan;125:71-8.