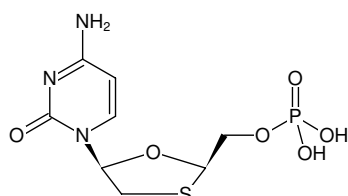


**3TCMP**

Lamivudine monophosphate, Sodium Salt (L-Isomer)
 2', 3'-Dideoxy-3'-thia-cytidine-5'-monophosphate, Sodium salt (L isomer)
 Lamivudine monophosphate, Sodium Salt (L-Isomer)

Cat. No.	Amount
NU-1605S	10 µl (10 mM)
NU-1605L	5 x 10 µl (10 mM)



Structural formula of 3TCMP

For general laboratory use.**Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery**Molecular Formula:** C₈H₁₂N₃O₆PS (free acid)**Molecular Weight:** 309.23 g/mol (free acid)**Exact Mass:** 309.02 g/mol (free acid)**Purity:** ≥ 95 % (HPLC)**Form:** solution in water**Color:** colorless to slightly yellow**Concentration:** 10 mM - 11 mM**pH:** 7.5 ±0.5**Spectroscopic Properties:** λ_{max} 270 nm, ε 9.5 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)**Selected References:**

Coulier *et al.* (2008) Simultaneous determination of endogenous deoxynucleotides and phosphorylated nucleoside reverse transcriptase inhibitors in peripheral blood mononuclear cells using ion-pair liquid chromatography coupled to mass spectrometry. *Proteomics Clin. Appl.* **2**:1557.

Mas *et al.* (2002) Multidrug-resistant HIV-1 reverse transcriptase: involvement of ribonucleotide-dependent phosphorolysis in cross-resistance to nucleoside analogue inhibitors. *J. Mol. Biol.* **323**:181.