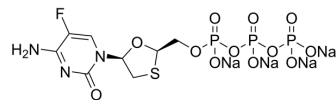


## Emtricitabine triphosphate tetrasodium salt

<b>Cat. No.:</b>	HY-131596B
<b>CAS No.:</b>	1188407-46-6
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>9</sub> FN <sub>3</sub> Na <sub>4</sub> O <sub>12</sub> P <sub>3</sub> S
<b>Molecular Weight:</b>	575.11
<b>Target:</b>	Reverse Transcriptase; HBV; HIV
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 125 mg/mL (217.35 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.7388 mL	8.6940 mL	17.3880 mL	
5 mM	0.3478 mL	1.7388 mL	3.4776 mL	
10 mM	0.1739 mL	0.8694 mL	1.7388 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Emtricitabine triphosphate tetrasodium salt is the tetrasodium salt form of Emtricitabine triphosphate (HY-131596). However, Emtricitabine triphosphate ((-)-Emtricitabine triphosphate) is the phosphorylated anabolite of Emtricitabine (HY-17427), a nucleoside reverse transcriptase inhibitor targeting to HIV and HBV<sup>[1]</sup>.

### REFERENCES

- [1]. Frasca K, et al. Emtricitabine triphosphate in dried blood spots is a predictor of viral suppression in HIV infection and reflects short-term adherence to antiretroviral therapy. *J Antimicrob Chemother.* 2019 May 1;74(5):1395-1401.
- [2]. Bang LM, et al. Emtricitabine: an antiretroviral agent for HIV infection. *Drugs.* 2003;63(22):2413-24; discussion 2425-6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA