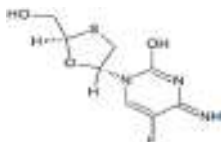


# Emtricitabine

**ALTERNATE NAME:** FTC  
4-amino-5-fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2(1H)-pyrimidinone  
BW 1592  
BW 524W91

**CATALOG #:** B2678-5 5 mg  
B2678-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>8</sub>H<sub>10</sub>FN<sub>3</sub>O<sub>3</sub>S

**MOLECULAR WEIGHT:** 247.2

**CAS NUMBER:** 143491-57-0

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98%

**SOLUBILITY:** ~30 mg/ml DMSO

**DESCRIPTION:** Emtricitabine is a cytidine analog that acts as an inhibitor of reverse transcriptase, preventing replication of HIV-1 (EC<sub>50</sub> = 10-20 nM) and hepatitis B (EC<sub>50</sub> = 10-40 nM). It is activated through multistep intracellular phosphorylation by various cellular kinases. Emtricitabine is an antiviral drug used for the treatment of HIV infection.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Nefinavir mesylate hydrate (B2142)  
Troviridine (B1212)  
Rilpivirine hydrochloride (B2427)  
Azidothymidine (B1113)  
Stavudine (B2084)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*