

Centre For AIDS Reagents

Data Sheet

NAME:	Emtricitabine [(-) FTC]
REPOSITORY REFERENCE:	ARP985
DESCRIPTION:	Emtricitabine, a nucleoside analogue of cytidine, is phosphorylated by cellular enzymes to form emtricitabine 5'-triphosphate. Emtricitabine 5'-triphosphate inhibits the activity of HIV-1 reverse transcriptase by competing with the natural substrate deoxycytidine 5'-triphosphate and by being incorporated into nascent viral DNA which results in chain termination.
PRESENTATION:	20 mg
LOT NUMBER:	2 040155
SOLUBILITY:	Solubility in water is about 112 mg/ml at 25°C.
CHEMICAL NAME:	5-fluoro-1-(2R,5S)-[2-(hydroxymethyl)-1,3-oxathiolan-5-yl] cytosine
MOLECULAR WEIGHT:	247.2
STORAGE:	Room Temperature. Can be stored at -20°C upon reconstitution.
SOURCE:	Division of AIDS, NIAID.
ACKNOWLEDGEMENT:	Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html in the "Acknowledgements" section. Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be Electronically or as a paper copy)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Research and Reference Reagent Program, Division of AIDS, NIAID, NIH: Emtricitabine [(-) FTC]."

This compound is restricted for “research purposes only” and is limited to 40 mg per requester per year. Not available for release to commercial organizations outside of the USA. Recipient agrees that the reagent (Emtricitabine [(-) FTC]) use is permitted only as a standard for in vitro and/or studies in animals for inhibition of HIV replication.