

Centre For AIDS Reagents

Data Sheet

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| NAME: | Tenofovir |
| REPOSITORY REFERENCE: | ARP981 |
| DESCRIPTION: | Tenofovir is a cyclic nucleoside phosphonate analogue of adenosine monophosphate. Tenofovir is phosphorylated by cellular enzymes and inhibits the activity of HIV reverse transcriptase by competing with deoxyadenosine 5' triphosphate. Incorporation of nucleotide analogue causes DNA chain termination. |
| PRESENTATION: | 25 mg |
| PURITY: | 99% (by HPLC) |
| SOLUBILITY: | Water; moderately soluble in methanol and ethanol; insoluble in ethyl acetate, acetone or methylene chloride. |
| MELTING POINT: | 277-281°C |
| MOLECULAR WEIGHT: | 287.21 |
| STORAGE: | Room temperature. Cool, dark, dry. |
| SOURCE: | Sequoia Research Products |
| 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) |