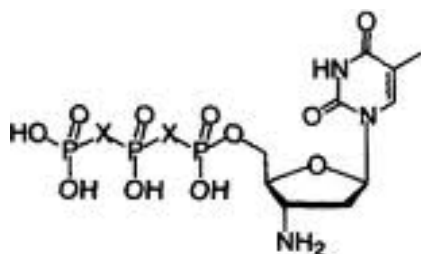


**Description:** AZT is a widely used antiviral agent. AZT penetrates the cell membrane and is converted into AZT triphosphate which inhibits the reaction of reverse transcription. AZT triphosphate (3'-Azido-3'-Deoxythymidine 5'-Triphosphate) can be used for inhibition of reverse transcription in vitro and for the investigation of polymerase-substrate interactions.

Ref No.	503010	color
AZT triphosphate, 100 mM	100 µL	transparent
Datasheet	1	--

**Applications:** AZT triphosphate is used for inhibition of reverse transcription, telomerase activity and thymidine phosphorylation. It is a suppressor for HIV-type 1 replication. AZT triphosphate can also be used for removal of iron from transferrin.



**Concentration:** 100 mM, solution in water  
MW = 505 g/mol for free acid

**Quality control:**

- HPLC analysis
- NMR analysis (inorganic phosphates)
- Exo-endonucleases contamination test
- UV-spectral analysis
- Spectrophotometry

**Storage:** -20°C