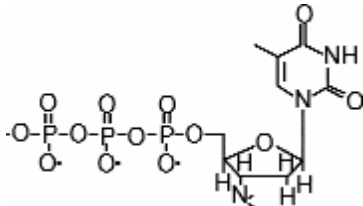


BIOSAN,
28, Ingenernaya Str.
630090, Novosibirsk, Russia
tel.: +7(383) 363-51-91, 363-22-40
fax: +7(383) 363-51-91
mail@biosan-nsk.ru
www.biosan-nsk.ru



DATA QUALITY SHEET

3'-Azido-3'-Deoxythymidine 5'-Triphosphate (AZT-TP), ammonium salt FOR RESEARCH USE ONLY

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 can be used for inhibition of reverse transcription in vitro and for the investigation of polymerase-substrate interactions.
Delivery form	Sterile water solution of ammonium salt nucleotide. Colorless transparent liquid.
Concentration	0.1 M
Quality control	<ul style="list-style-type: none">– Purity according to HPLC analysis is not less than 97%.– Inhibition of DNA-polymerase activity.– The concentration is determined spectrophotometrically, $\lambda_{\max} = 267$ nm.
Structural formula (free acid)	
Formula	$C_{10}H_{16}N_5O_{13}P_3$ (free acid)
Molecular weight	507.2 g/mol
Storage	-20°C. Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions.
Transportation	Blue ice.