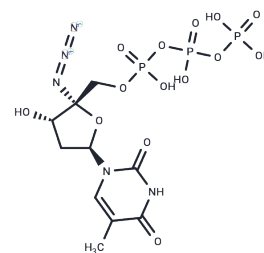


## 4'-Azidothymidine 5'-triphosphate

## Chemical Properties

CAS No. :	140158-13-0
Formula:	C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>14</sub> P <sub>3</sub>
Molecular Weight:	523.18
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	4'-Azidothymidine 5'-triphosphate exerts selectively action on both reverse transcriptase of human immunodeficiency virus type 1 and human DNA polymerases alpha and beta.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9114 mL	9.5569 mL	19.1139 mL
5 mM	0.3823 mL	1.9114 mL	3.8228 mL
10 mM	0.1911 mL	0.9557 mL	1.9114 mL
50 mM	0.0382 mL	0.1911 mL	0.3823 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Chen MS, Suttman RT, Papp E, Cannon PD, McRoberts MJ, Bach C, Copeland WC, Wang TS. Selective action of 4'-azidothymidine triphosphate on reverse transcriptase of human immunodeficiency virus type 1 and human DNA polymerases alpha and beta. *Biochemistry*. 1993 Jun 15;32(23):6002-10. PubMed PMID: 7685186.

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