

Catalog	Unit
TBI4615-25MG	25 mg
TBI4615-100MG	100 mg

Product Details

Alternate Names: Azidothymidine; AZT

Molecular Formula: C₁₀H₁₃N₅O₄

Formula Weight: 267.24

CAS Number: 30516-87-1

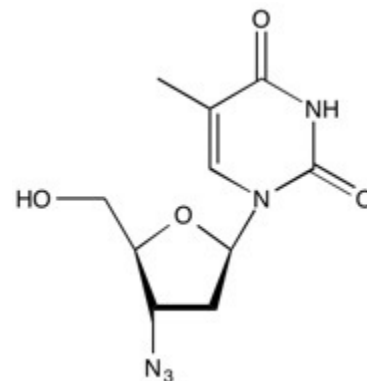
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 40 mg/ml) or in Water (up to 25 mg/ml with warming)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Antiretroviral; Enhances CRISPR repair

Functions

Zidovudine was the first clinically useful antiretroviral medicine. Newer antiretroviral medications have replaced it in the clinic. It selectively inhibits reverse transcriptase acting via the triphosphate metabolite. Zidovudine has recently been found to enhance CRISPR-mediated homology-directed repair (HDR) efficiency.

Application Procedures

First dissolved in DMSO (up to at least 40 mg/ml) or in Water (up to 25 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.