

Certificate of Analysis

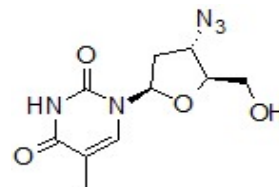


Product Identification

Catalog number HB4602
Compound name Azidothymidine
Chemical name 3'-Azido-3'-deoxythymidine

Batch number E0477-1-1
Batch molecular formula C₁₀H₁₃N₅O₄
Batch molecular weight 267.24

Chemical Structure



Method

QC requirement

QC Result

| | | |
|----------------------------|---|------------------------------------|
| HPLC | Reverse Phase HPLC shows >98% purity | Meets specification: 99.8% by HPLC |
| NMR | ¹ H NMR in D ₂ O at 400 MHz consistent with structure | Meets specification |
| Mass spectrum | Electrospray positive analysis consistent with structure | Meets specification |
| Microanalysis | Elemental analysis is within 0.4% for the batch molecular formula | Meets specification |
| Physical appearance | White to off-white solid | Meets specification; White solid |
| Solubility | Soluble in water (50 mM) and in DMSO (100 mM) | Meets specification |

Biological validation

Produced by Richard Patterson

Signature

Passed by Huw Davies

Signature

Date

09-02-17

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.