

Specification

Technical Data Sheet

Product Name	3-Azido-3-deoxythymidine (Zidovudine)
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Product No	55424066
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CAS Number	30516-87-1
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Storage Temperature	-15 to -20 °C
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Molecular Weight	267.24
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Specification

Appearance	White crystalline powder
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Heavy metals	≤10ppm
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Impurity B	≤1.0%
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Impurity C	≤2.0%
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Loss on Drying	≤1.0%
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Melting Point	121 - 125°C
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Specific rotation	+60.5 to +63.0
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Specification

Assay

97 - 102%

Solubility

Sparingly soluble in water, soluble in ethanol

Sulfated ash $\leq 0.25\%$ **Total Impurities** $\leq 3.0\%$ **Related Substance** $\leq 3.0\%$