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Certificate of Analysis

Catalogue Number	00135
Product	2'-Deoxythymidine-5'-monophosphate disodium salt
Lot Number	001237-12012 2'-dTMP•2Na
CAS Number	33430-62-5
Molecular Formula	C ₁₀ H ₁₃ N ₂ O ₈ PNa ₂
Molecular Weight	366.17

Appearance	White powder
Solubility	Clear colorless solution (50mg/ml in water)
Water Content (Karl Fisher)	11.6%
UV Ratios	Ratio of Absorbance at pH 7.0: A ₂₅₀ /A ₂₆₀ = 0.65 A ₂₈₀ /A ₂₆₀ = 0.73
Related Substances	Peaks that move after Alkaline phosphatase digestion: < 0.05% Peaks that do not move after Alkaline phosphatase digestion: < 1.0% Any single phosphorylated nucleoside: < 0.05%
Purity by HPLC	99.9%
Purity by UV	100% (on dry basis)
Storage	Store at -20 °C
Additional Information	Spectral identity: Matches with the standard

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Lot Number: 001237-12012

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager