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Certificate of Analysis

Catalogue Number	00191
Lot Number	002002-2024052001
Product	5-Iodo-2'-deoxyuridine 2'-Deoxy-5-iodouridine 1-(2-Deoxy-β-D-ribofuranosyl)-5-iodouracil
CAS Number	54-42-2
Molecular Formula	C ₉ H ₁₁ IN ₂ O ₅
Molecular Weight	354.1

Appearance	White crystalline powder
Solubility	Clear and colorless solution (0.03 M solution in 1 M Sodium hydroxide)
Melting Point	176 - 184 °C
Anion	Iodide content : < 0.1%
Water Content (Karl Fisher)	0.10%
pH	5.5 - 6.5
Optical Rotation	[α] _D ²⁰ = 28 °
Related Substances	< 0.5%
Residue On Ignition	< 0.1%
¹H NMR	Conforms to structure
Purity by HPLC	99.08%
Storage	Store at 0 - 8 °C
Additional Information	Other substance : < 0.5%

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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