SPECIFICATION

2'-Deoxy-5-iodouridine

Product Code: ND05147

Synonyms: 1-(2-Deoxy-β-D-ribofuranosyl)-5-iodouracil
Idoxuridine
Dendrid

CAS Number: 54-42-2

Chemical Formula: C₉H₁₁IN₂O₅

Molecular Weight: 354.10

TECHNICAL SPECIFICATION

Appearance: Colourless crystals or white crystalline powder

Assay (Titration) (dry basis): min 99%

Specific optical rotation [α]D²⁰ (c=1, NaOH): +28 to +31°

Loss on drying (60°C, 3hr): max 0.5%

Identity (IR): Conforms to structure

Residue on ignition: max 0.3%

Solubility (at 1% in 1M NaOH): Clear and colourless

Heavy metals: max 10ppm