

Uridine

Cell Culture Tested

Product Code: TC181

Product Description :

Molecular Weight: 244.20

Molecular Formula: $C_9H_{12}N_2O_6$

CAS No: 58-96-8

Synonym: 1-β-D-Ribofuranosyluracil, Uracil-1-β-D-ribofuranoside

Uridine is a ribonucleoside that has Uracil attached to its ribose ring. It is an important component of carbohydrate metabolism and is essential for both RNA and DNA synthesis. The monophosphate form of uridine (UMP) is formed from orotidylic acid (orotidine 5'-monophosphate) in a decarboxylation reaction catalysed by the enzyme orotidylate deoxycarboxylase. Uridine is also used in synthesis of CDP-Choline, which plays a key role in the formation of the cell membrane.

Assay

NLT 99.00%

Cell Culture Test

Passes

Storage and Shelf Life:

Store at 2-8°C away from bright light

Shelf life is 36 months.

Use before expiry date given on the product label.

Directions:

Preparation instructions:

Uridine is soluble in water at 50mg/ml.

Quality Control:

Appearance

White powder

Solubility

Clear colorless solution at 5gm in 100ml of water

pH of 5% solution in water

5.00 -6.50

Heavy metals

NMT 0.001%

Disclaimer :

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