

Thymidine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Thymidine

Catalog No.: CFN98806

Cas No.: 50-89-5

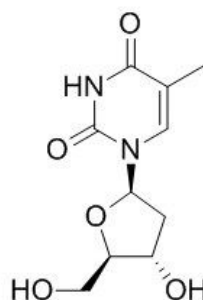
Purity: > 98%

M.F: C₁₀H₁₄N₂O₅

M.W: 242.23

Physical Description: Powder

Synonyms: 1-(2-Deoxy- β -D-ribofuranosyl)-5-methyluraci.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

From *Cordyceps sinensis*.

[Biological Activity or Inhibitors]

Thymidine could be a tracer in tumor cell examin.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Potassium dihydrogen phosphate buffer (20mM, pH=4.5)- Acetonitrile
=95:5 ;

Flow rate: 0.7 ml/min;

Column temperature: Room Temperature ;

The wave length of determination: 267 nm.

[Storage]

2-8℃, Protected from air and light, refrigerate or freeze.

[References]

[1] Higashi K, Clavo A C, Wahl R L. *Journal of Nuclear Medicine Official Publication Society of Nuclear Medicine*, 1993, 34(5):773-9.

[2] Mohamed S, Caporali L, De G R, *et al. J. Chromatogr. B* , 2014, 949-950C(4):58-62.

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