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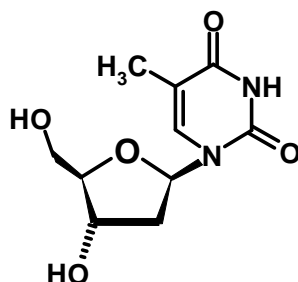
## Product Specifications

### **Thymidine (2'-Deoxythymidine)**

**CAS** 50-89-5

**Syn:** 1-(2-Deoxy-β-D-ribofuranosyl)-5-methyluracil; dT; Thymine Deoxyriboside;  
1-(2-Deoxy-β-D-ribofuranosyl)thymine; Deoxyribothymidine; Deoxythymidine

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>10</sub>H<sub>15</sub>N<sub>2</sub>O<sub>5</sub>**  
*Synthetic*

**Mol. Wt.**

242.32

<i>Test</i>	<i>Specification</i>
<b>Appearance</b>	White microcryst. solid
<b>Mp</b>	186-188 °C [Lit.]
<b>Assay (hplc)</b>	≥ 99%
<b>TLC</b>	Single Spot
<b>LOD</b>	< 0.5%
<b>Ash (residue on ignition)</b>	< 0.1%
<b>Heavy metals</b>	< 10 ppm
<b>As</b>	< 1 ppm

**Storage:** Maintain in cool, dry containment.