

Catalogue Number	Product	Order number / Unit
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**1290 Thymidine**Reference standard for 2-[<sup>11</sup>C]Thymidine**Molar Mass:** 242.23C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>

[50-89-5]

Colourless solid packaged in dark glass screw cap vials.

**Purity:** > 99 %**Certificates:**CoA; <sup>1</sup>H and <sup>13</sup>C NMR spectra; HPLC**Chemical Name:**

CA index name: Thymidine

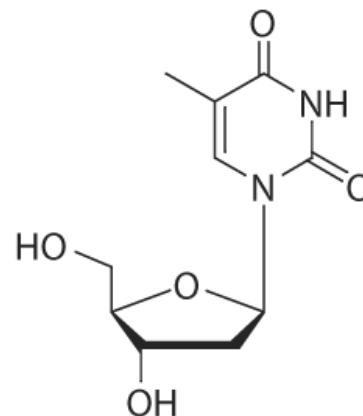
**Synonymes:**

β-D-Ribofuranoside, thymine-1,2-deoxy-; 5-Methyl-2'-deoxyuridine; 2'-Deoxythymidine; Uridine, 2'-deoxy-5-methyl-; Thymine 2-desoxyriboside; 1-(2-Deoxy-β-D-erythro-pentofuranosyl)-5-methyl-2,4(1H,3H)-pyrimidinedione; 2,4(1H,3H)-Pyrimidinedione, 1-(2-deoxy-β-D-erythro-pentofuranosyl)-5-methyl-

**Literature:**

Steel C. et al. An automated radiosynthesis of 2-[<sup>11</sup>C]thymidine using anhydrous [<sup>11</sup>C]urea derived from [<sup>11</sup>C]phosgene. *Appl. Radiat. Isotop.* 1999, 51, 377-88.

Vander Brought T. et al. Production of 2-[<sup>11</sup>C]thymidine for quantification of cellular proliferation with PET. *Appl. Radiat. Isotop.* 1991, 42, 103-4.

**1290.0010: 10 mg per vial**  
Please inquire for customized filling and bulk quantities.