

Catalogue Number	Product	Order number / Unit
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1290 ThymidineReference standard for 2-[¹¹C]Thymidine**Molar Mass:** 242.23C₁₀H₁₄N₂O₅

[50-89-5]

Colourless solid packaged in dark glass screw cap vials.

Purity: > 99 %**Certificates:**CoA; ¹H and ¹³C 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:

1. Steel C. et al. An automated radiosynthesis of 2-[¹¹C]thymidine using anhydrous [¹¹C]urea derived from [¹¹C]phosgene. *Appl. Radiat. Isotop.* 1999, 51, 377-88.
2. Vander Brought T. et al. Production of 2-[¹¹C]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.