

Catalogue Number	Product	Order number / Unit
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**1210 Anhydrothymidine-FLT-precursor**

Precursor for [<sup>18</sup>F]FLT  
(3'-Deoxy-3'-[<sup>18</sup>F]fluorothymidine)

**Molar Mass:** 526.58

C<sub>31</sub>H<sub>30</sub>N<sub>2</sub>O<sub>6</sub>

[191474-13-2]

Colourless to yellowish solid packaged in dark glass crimp cap vials.

**Purity:** > 95 %

**Certificates:**

CoA; <sup>1</sup>H NMR spectrum, HPLC

**Chemical Name:**

CA index name: 2,5-Methano-5H,9H-pyrimido[2,1-b][1,5,3]dioxazepin-9-one, 3-[4,4'-dimethoxytrityl]-2,3-dihydro-8-methyl-, (2R,3R,5R)-

**Synonymes:**

5'-O-(4,4'-dimethoxytrityl)-2,3'-anhydrothymidine; 2,5-Methano-5H,9H-pyrimido[2,1-b][1,5,3]dioxazepin-9-one, 3-[4,4'-dimethoxytrityl]-2,3-dihydro-8-methyl-, (2R,3R,5R)-; (2R,3R,5R)-3-[[Bis(4-methoxyphenyl)phenylmethoxy]methyl]-2,3-dihydro-8-methyl- 2,5-methano-5H,9H-pyrimido[2,1-b][1,5,3]dioxazepin-9-one

**Literature:**

1. Machulla H.J. et al. Simplified labelling approach for synthesizing 3'-deoxy-3'-[<sup>18</sup>F]fluorothymidine ([<sup>18</sup>F]FLT). J. Radioanal. Nucl. Chem. 2000, 243, 843-846.
2. Eisenhut M. et al. Synthesis of 3'-deoxy-3'-[<sup>18</sup>F]fluorothymidine with 2,3'-anhydro-5'-O-(4,4'-dimethoxytrityl)-thymidine. J. Labelled Compds. Radiopharm. 2000, 43, 1211-1218.

1210.0010: 10 mg per vial  
Please inquire for customized filling and bulk quantities.

