

Catalogue Number	Product	Order number / Unit
1240	<p><b>3-N-Boc-5'-O-dimethoxytrityl-3'-O-nosyl-thymidine</b></p> <p><b>Precursor for [<sup>18</sup>F]FLT</b> <b>(3'-Deoxy-3'-[<sup>18</sup>F]fluorothymidine)</b></p> <p>Sold under license for patent EP1355915</p> <p><b>Molar Mass:</b> 829.87</p> <p>C<sub>42</sub>H<sub>43</sub>N<sub>3</sub>O<sub>13</sub>S</p> <p>[444717-23-1]</p> <p>Yellowish amorphous solid packaged in dark glass crimp cap vials.</p> <p><b>Purity:</b> &gt; 95 %</p> <p><b>Certificates:</b> CoA; <sup>1</sup>H NMR spectrum</p> <p><b>Chemical Name:</b> CA index name: 1(2H)-Pyrimidinecarboxylic acid, 3-[2-deoxy-3-O-[(4-nitrophenyl)sulfonyl]-5-O-(triphenylmethyl)-β-D-threo-pentofuranosyl]-3,6-dihydro-5-methyl-2,6-dioxo-, 1,1-dimethylethyl ester</p> <p><b>Synonymes:</b> 3-N-Boc-5'-O-dimethoxytrityl-3'-O-nosyl-thymidine; 3-N-Boc-1-[5-O-(4,4'-dimethoxytrityl)-3-O-nitrophenylsulfonyl-2-deoxy-β-D-lyxofuranosyl]thymidine; 1-(2'-Deoxy-3'-O-(4-nitrobenzenesulfonyl)-5'-O-(4,4'-dimethoxytrityl)-β-D-threo-pentafuranosyl)-3-(tert-butyloxycarbonyl)thymine; Boc-FLT-Precursor; Boc-FLT</p> <p><b>Literature:</b></p> <ol style="list-style-type: none"> <li>Mosdzianowski C. et al. Automated FLT Synthesis Using 3-N-Boc-1-(5-O-4,4'-dimethoxytrityl)-3-O-nosyl-2-deoxy-β-D-lyxofuranosyl)-thymine as Precursor. <i>Eur. J. Nucl. Med.</i> 2001, 28, 1228.</li> <li>Eisenhut M. et al. A new precursor for the radiosynthesis of [<sup>18</sup>F]FLT. <i>Nucl. Med. Biol.</i> 2002, 29, 263-273.</li> </ol>	<p>1240.0010: 10 mg per vial 1240.0020: 20 mg per vial 1240.0025: 25 mg per vial 1240.0030: 30 mg per vial 1240.0040: 40 mg per vial Please inquire for customized filling and bulk quantities.</p> 