

Catalogue Number	Product	Order number / Unit
2872	<p><b>5-Methyl-2,4-bis[(trimethylsilyl)oxy]pyrimidine</b></p> <p><b>Precursor 2 for [<sup>18</sup>F]FMAU (2'-deoxy-2'-[<sup>18</sup>F]fluoro-5-methyl-1-β-D-arabinofuranosyluracil)</b></p> <p>Caution, very sensitive to moisture!</p> <p><b>Molar Mass:</b> 270.48</p> <p>C<sub>11</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>Si<sub>2</sub></p> <p>[7288-28-0]</p> <p>Colourless 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 and <sup>13</sup>C NMR spectra</p> <p><b>Chemical Name:</b> CA index name: Pyrimidine, 5-methyl-2,4-bis[(trimethylsilyl)oxy]-</p> <p><b>Synonyms:</b> 2,4-Bis(trimethylsiloxy)-5-methylpyrimidine; 2,4-Bis(trimethylsilyl)-5-methyluracil; 2,4-Bis-O-(trimethylsilyl)thymine; O,O'-Bis(trimethylsilyl)thymine; Bis(O-trimethylsilyl)thymine</p> <p><b>Literature:</b></p> <ol style="list-style-type: none"><li>1. Mangner T.J. et al. Synthesis of 2'-deoxy-2'-[<sup>18</sup>F]fluoro-beta-D-arabinofuranosyl nucleosides, [<sup>18</sup>F]FAU, [<sup>18</sup>F]FMAU, [<sup>18</sup>F]FBAU, [<sup>18</sup>F]FIAU, as potential PET agents for imaging cellular proliferation. Nucl. Med. Biol. 2003, 30, 215-224.</li><li>2. Buursma A.R. et al. <sup>18</sup>F-FEAU as a radiotracer for herpes simplex virus thymidine kinase gene expression: in-vitro comparison with other PET tracers. Nucl. Med. Commun. 2006, 27, 25-30.</li><li>3. Alauddin M.M. et al. Direct comparison of radiolabeled probes FMAU, FHBG, and FHPG as PET imaging agents for HSV1-tk expression in a human breast cancer model. Mol. Imaging 2004, 3, 76-84.</li><li>4. Alauddin M.M. et al. Synthesis and evaluation of 2'-deoxy-2'-<sup>18</sup>F-fluoro-5-fluoro-1-beta-D-arabinofuranosyluracil as a potential PET imaging agent for suicide gene expression. J. Nucl. Med. 2004, 45, 2063-2069</li></ol>	<p>2872.0100: 100 mg per vial Please inquire for customized filling and bulk quantities.</p> 