

Catalogue Number	Product	Order number / Unit
2872	<p>5-Methyl-2,4-bis[(trimethylsilyl)oxy]pyrimidine</p> <p>Precursor 2 for [¹⁸F]FMAU (2'-deoxy-2'-[¹⁸F]fluoro-5-methyl-1-β-D-arabinofuranosyluracil)</p> <p>Caution, very sensitive to moisture!</p> <p>Molar Mass: 270.48</p> <p>C₁₁H₂₂N₂O₂Si</p> <p>[7288-28-0]</p> <p>Colourless solid or liquid packaged in dark glass crimp cap vials.</p> <p>Purity: > 95 %</p> <p>Certificates: CoA; ¹H and ¹³C NMR spectra</p> <p>Chemical Name: CA index name: Pyrimidine, 5-methyl-2,4-bis[(trimethylsilyl)oxy]-</p> <p>Synonyms: 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>Literature: Mangner T.J. et al. Synthesis of 2'-deoxy-2'-[¹⁸F]fluoro-beta-D-arabinofuranosyl nucleosides, [¹⁸F]FAU, [¹⁸F]FMAU, [¹⁸F]FBAU, [¹⁸F]FIAU, as potential PET agents for imaging cellular proliferation. Nucl. Med. Biol. 2003, 30, 215-224. Buursma A.R. et al. ¹⁸F-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. 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. Alauddin M.M. et al. Synthesis and evaluation of 2'-deoxy-2'-¹⁸F-fluoro-5-fluoro-1-beta-D-arabinofuranosyluracil as a potential PET imaging agent for suicide gene expression. J. Nucl. Med. 2004, 45, 2063-2069</p>	<p>2872.0100: 100 mg per vial Please inquire for customized filling and bulk quantities.</p> 