

Catalogue Number	Product	Order number / Unit
2870	<p><b>2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-<math>\alpha</math>-D-ribofuranose</b></p> <p><b>Precursor 1 for [<math>^{18}</math>F]FEAU and [<math>^{18}</math>F]FMAU (FEAU = 2'-Fluoro-5-ethyl-1-<math>\beta</math>-D-arabinofuranosyluracil FMAU = 2'-deoxy-2'-Fluoro-5-methyl-1-<math>\beta</math>-D-arabinofuranosyluracil)</b></p> <p><b>Molar Mass:</b> 594.51 <math>C_{27}H_{21}F_3O_{10}S</math> [97614-41-0]</p> <p>Colourless solid packaged in dark glass crimp cap vials.</p> <p><b>Purity:</b> &gt; 95 %</p> <p><b>Certificates:</b> CoA; <math>^1H</math> and <math>^{19}F</math> NMR spectra</p> <p><b>Chemical Name:</b> CA index name: <math>\alpha</math>-D-Ribofuranose, 1,3,5-tribenzoate 2-(trifluoromethanesulfonate)</p> <p><b>Synonymes:</b> 1,3,5-Tri-O-benzoyl-2-O-(trifluoromethanesulfonyl)-<math>\alpha</math>-D-ribofuranose; (2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-<math>\alpha</math>-D-ribofuranose)</p> <p><b>Literature:</b> Blasberg R.G. et al. Synthesis and Evaluation of [<math>^{18}</math>F] Labeled Pyrimidine Nucleosides for Positron Emission Tomography Imaging of Herpes Simplex Virus 1 Thymidine Kinase Gene Expression. J. Med. Chem. 2006, 49, 5377-5381. Alauddin M.M. et al. Synthesis and evaluation of 2'-deoxy-2'-<math>^{18}F</math>-fluoro-5-fluoro-1-beta-D-arabinofuranosyluracil as a potential PET imaging agent for suicide gene expression. J. Nucl. Med. 2004, 45, 2063-2069. Alauddin M.M. et al. Stereospecific fluorination of 1,3,5-tri-O-benzoyl-<math>\alpha</math>-D-ribofuranose-2-sulfonate esters: preparation of a versatile intermediate for synthesis of 2'-[<math>^{18}</math>F]-fluoro-arabinonucleosides. J. Fluorine Chem. 2000, 106, 87-9</p>	<p>2870.0010: 10 mg per vial Please inquire for customized filling and bulk quantities.</p> 