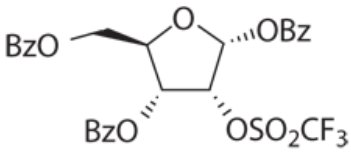
Catalogue Number	Product	Order number / Unit

2870

2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-alpha-D-ribofuranose

2870.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.



Precursor 1 for [^{18}F]FEAU and [^{18}F]FMAU

Molar Mass: 594.51

$C_{27}H_{21}F_3O_{10}S$

[97614-41-0]

Yellowish oil packaged in dark glass crimp cap vials.

Purity: > 95 %

Certificates:
CoA; ^{1}H and ^{19}F NMR spectra

Chemical Name:
CA index name: α-D-Ribofuranose, 1,3,5-tribenzoate 2-(trifluoro-methanesulfonate)

Synonymes:
1,3,5-Tri-O-benzoyl-2-O-(trifluoromethanesulfonyl)-α-D-ribofuranose; (2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-α-D-ribofuranose)
[^{18}F]FEAU = 2′-[^{18}F]Fluoro-5-ethyl-1-β-D-arabinofuranosyluracil
[^{18}F]FMAU = 2′-deoxy-2′-[^{18}F]Fluoro-5-methyl-1-β-D-arabinofuranosyluracil

Literature:

1. Blasberg R.G. et al. Synthesis and Evaluation of [^{18}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.

2. Alauddin M.M. et al. Synthesis and evaluation of 2′-deoxy-2′-^{18}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.

3. Alauddin M.M. et al. Stereospecific fluorination of 1,3,5-tri-O-benzoyl-a-D-ribofuranose-2-sulfonate esters: preparation of a versatile intermediate for synthesis of 2′-[^{18}F]-fluoro-arabinonucleosides. J. Fluorine Chem. 2000, 106, 87-91.

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