

Catalogue Number	Product	Order number / Unit
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2879 **alphaFMAU**

Reference standard for byproduct of [¹⁸F]FMAU and [¹¹C]FMAU synthesis
(2'-deoxy-2'-[¹⁸F]fluoro-5-methyl-1-β-D-arabinofuranosyluracil)

Molar Mass: 260.22

C₁₀H₁₃FN₂O₅

[97672-34-9]

Colourless solid packaged in dark glass crimp cap vials.

Purity: > 95 %

Certificates:

CoA; ¹H and ¹⁹F NMR spectra

Chemical Name:

CA index name: 2,4(1H,3H)-Pyrimidinedione, 1-[2-deoxy-2-fluoro-α-D-arabinofuranosyl]-5-methyl-

Synonymes:

α-FMAU, α-D-FMAU

Literature:

1. 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.
2. 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.
3. 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

2879.0002: 2 mg per vial
Please inquire for customized filling and bulk quantities.

