

Catalogue Number	Product	Order number / Unit
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2878**FMAU****2878.0010: 10 mg per vial**
Please inquire for customized filling and bulk quantities.Reference standard for [¹⁸F]FMAU and [¹¹C]FMAU**Molar Mass:** 260.22C₁₀H₁₃FN₂O₅

[69256-17-3]

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-β-D-arabinofuranosyl]-5-methyl-

Synonyms:

1-(2-Fluoro-2-deoxy-β-D-arabinofuranosyl)thymine; 1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)-5-methyl-2,4(1H,3H)-pyrimidinedione; 1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)-5-methyluracil; 2'-Fluoro-5-methyl-arabinosyluracil; 2'-Fluoro-5-methyl-β-D-arabinofuranosyluracil; 1-[(2R,3S,4R,5R)-3-Fluoro-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-5-methylpyrimidine-2,4-dione; 5-Methyl-1-[(2R,3S,4R,5R)-3-fluoro-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2,4-dione; 5-Methyl-1-(2-fluoro-2-deoxy-β-D-arabinofuranosyl)uracil; 1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)-5-methyl-2,4(1H,3H)-pyrimidinedione; FMAU; β-FMAU; β-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

