

| Catalogue Number | Product | Order number / Unit |
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2879 **α FMAU**

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

Molar Mass: 260.22 $C_{10}H_{13}FN_2O_5$

[97672-34-9]

Colourless solid packaged in dark glass screw cap vials.

Purity: > 95 %**Certificates:**CoA; 1 H and 19 F NMR spectra**Chemical Name:**

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

Synonyms: α -FMAU, α -D-FMAU**Literature:**

Mangner T.J. et al. Synthesis of 2'-deoxy-2'-[18 F]fluoro-beta-D-arabinofuranosyl nucleosides, [18 F]FAU, [18 F]FMAU, [18 F]FBAU, [18 F]FIAU, as potential PET agents for imaging cellular proliferation. Nucl. Med. Biol. 2003, 30, 215-224.

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'- 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

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

