

Catalogue Number	Product	Order number / Unit
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2900

FAU

2900.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.

Reference standard for 2'-[¹⁸F]FAU
Precursor for [¹²⁴I]FIAU, [¹²⁵I]FIAU

Molar Mass: 246.19

C₉H₁₁FN₂O₅

[69123-94-0]

Colourless solid packaged in dark glass screw 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)

Synonymes:

2'-Fluoro-2'-deoxyuracyl-β-D-arabinofuranoside; 1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)uracil

Literature:

1. Sterzycki R.Z. et al. Synthesis and Anti-HIV Activity of Several 2'-Fluoro-Containing Pyrimidine Nucleosides. *J. Med. Chem.* 1990, 33, 2150-2157.
2. Hughes J. A. et al. Preparation of [¹¹C]Thymidine and [¹¹C]2'-Arabino-2'-Fluoro-beta-5-Methyl-Uridine (FMAU) Using a Hollow Fiber Membran Bioreactor System. *J. Labelled Compd. Radiopharm.* 1995, 36, 1133-1145.
3. Conti P. S. et al. Synthesis of 2'-Fluoro-5-[¹¹C]Methyl-1-beta-D-Arabinofuranosyluracil ([¹¹C]FMAU): A Potential Nucleoside Analog for In Vivo Study of Cellular Proliferation with PET. *Nucl. Med. Biol.* 1995, 22, 783-789.

