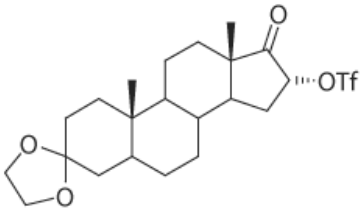
Catalogue Number	Product	Order number / Unit

1916 FDHT precursor

Please inquire for customized filling and bulk quantities.



Precursor for [^{18}F]FDHT (16β-[^{18}F]fluoro-5α-dihydrotestosterone)

Molar Mass: 480.54

$C_{22}H_{31}F_3O_6S$

[141664-05-3]

Colourless solid packaged in dark glass screw cap vials.

Purity: > 95 %

Certificates:
CoA; ^{1}H NMR spectrum

Chemical Name:
CA index name: Androstane-3,17-dione, 16-[[(trifluoromethyl)sulfonyl]oxy]-, cyclic 3-(1,2-ethanediyl acetal), (5α,16α)-

Synonymes:
16α-[[(trifluoromethyl)sulfonyl]oxy]-3,3-(ethylenedioxy)androstan-17-one; [^{18}F] FDHT precursor

Literature:

Liu A. et al. Fluorine-18-Labeled Androgens: Radiochemical Synthesis and Tissue Distribution Studies on Six fluorine-Substituted Androgens, Potential Imaging Agents for Prostatic Cancer. J. Nucl. Med 1992, 33, 724-734.

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Zhou D. et al. Optimization of the preparation of fluorine-18-labeled steroid receptor ligands 16α-[^{18}F] fluoroestradiol (FES), [^{18}F]fluoro furanylnorprogesterone (FFNP), and 16beta-[^{18}F]fluoro-5α-dihydrotestosterone (FDHT)as radiopharmaceuticals. J. Label. Compd. Radiopharm. 2014, 5, 371-377 DOI: 10.1002/jlcr.3191

Dehdashti F. et al. Positron tomographic assessment of androgen receptors in prostatic carcinoma. Eur. J. Nucl. Med. Mol. Imaging 2005, 32, 344-350.

date of product catalogue issue: 10 May 2017