

Catalogue  
Number

Product

Order number / Unit

**2040**

**6-O-Fluoroethyl-6-O-desmethyl-diprenorphine**

Reference standard for  
**[<sup>18</sup>F]Fluoroethyl-diprenorphine**  
Nonselective opioid receptor antagonist

**Molar Mass:** 457.58

C<sub>27</sub>H<sub>36</sub>FNO<sub>4</sub>

CAS-RN not yet assigned

Colourless to yellowish solid packaged in dark glass  
screw cap vials.

**Purity:** > 95 %

**Certificates:**

CoA; <sup>1</sup>H, <sup>13</sup>C, and <sup>19</sup>F NMR spectra

**Chemical Name:**

6,14-Ethenomorphinan-7-methanol, 17-(cyclopropylmethyl)-4,5-epoxy-18,19-dihydro-3-hydroxy- $\alpha,\alpha$ -dimethyl-6-(2-fluoroethoxy)-, (5 $\alpha$ , 7 $\alpha$ )

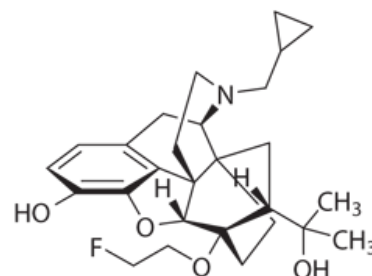
**Synonymes:**

FETDPN

**Literature:**

1. Wester H.-J. et al. Synthesis, preclinical evaluation and first human study of [<sup>18</sup>F]Diprenorphine ([<sup>18</sup>F]DPN) for central opioid receptor imaging with PET. J. Nucl. Med. 1998, 39, Proceedings of the 45th Annual Meeting, Toronto, Ontario, Canada; 73P.
2. Wester H.-J. et al. 6-O-(2-[<sup>18</sup>F]Fluoroethyl)-6-O-Desmethyl-diprenorphine ([<sup>18</sup>F]DPN): Synthesis, Biologic Evaluation, and Comparison with [<sup>11</sup>C]DPN in Humans. J. Nucl. Med. 2000, 41, 1279-1286.

2040.0010: 10 mg per vial  
Please inquire for customized  
filling and bulk quantities.



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