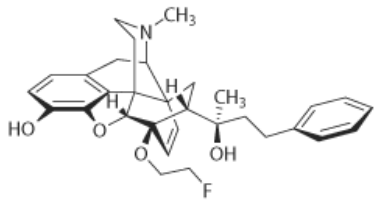


Catalogue Number	Product	Order number / Unit
2053	<p>6-O-(2-Fluoroethyl)-6-O-desmethyl-phenethyl-orvinol</p> <p>Reference standard for [¹⁸F]FE-PEO</p> <p>Molar Mass: 505.62</p> <p>C₃₁H₃₆FNO₄</p> <p>CAS-RN not yet assigned</p> <p>Colourless to yellowish solid packaged in dark glass screw cap vials.</p> <p>Purity: > 95 %</p> <p>Certificates: CoA; ¹H, ¹³C and ¹⁹F NMR spectra</p> <p>Chemical Name: CA index name: 6,14-Ethenomorphinan-7-methanol, -4,5-epoxy-6-(2-fluoroethoxy)-α,17-dimethyl-,α-(2-phenylethyl)-3-(triphenylmethoxy)-, (5α, 7α)</p> <p>Synonymes: FE-PEO</p> <p>Literature: Marton J. et al. Design and synthesis of an ¹⁸F-labeled version of phenethyl-orvinol ([¹⁸F]FE-PEO) for PET-imaging of opioid receptors. <i>Molecules</i> 2012, 17, 11554-11569. Riss P.J. et al. Synthesis and evaluation of ¹⁸F-FE-PEO in rodents: An ¹⁸F-labeled full agonist for opioid receptor imaging. <i>J. Nucl. Med.</i> 2013, 54, 299-305. Schoultz, B. W. et al. Synthesis and evaluation of three structurally related ¹⁸F-labeled orvinols of different intrinsic activities: [¹⁸F]fluoroethyl-diprenorphine ([¹⁸F]FDPN), [¹⁸F]fluoroethyl-buprenorphine ([¹⁸F]FBPN) and [¹⁸F]fluoroethyl-phenethyl-orvinol ([¹⁸F]FPEO). <i>J. Med. Chem.</i> 2014, 57, 5464-5469.</p>	<p>2053.0010: 10 mg per vial Please inquire for customized filling and bulk quantities.</p> 

date of product catalogue issue: 10 May 2017