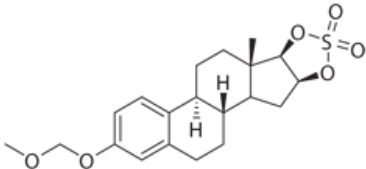


Catalogue Number	Product	Order number / Unit
<b>1900</b>	<b>MMSE</b> <b>Precursor for 16alpha-[<sup>18</sup>F]Fluoroestradiol</b> <b>Molar Mass:</b> 394.48 $C_{20}H_{26}O_6S$ [177714-21-5] Nearly colourless crystals packaged in dark glass crimp cap vials. <b>Purity:</b> > 95 % <b>Certificates:</b> CoA; <sup>1</sup> H and <sup>13</sup> C NMR spectra <b>Chemical Name:</b> CA index name: Estra-1,3,5(10)-triene-16,17-diol, 3-(methoxymethoxy)-, cyclic sulfate, (16beta,17beta) <b>Synonymes:</b> 3-(Methoxymethoxy)-1,3,5(10)-gonatriene-16beta,17beta diol-16,17-cyclic sulfate; 3-O-(Methoxymethyl)-16,17-O-sulfuryl-16-epiestriol; 3-Methoxymethyl-16beta,17beta-epiestriol-O-cyclic sulfone; FES precursor <b>Literature:</b> 1. Roemer J. et al. Automated production of n.c.a. 16alpha-[ <sup>18</sup> F]fluoroestradiol. Forschungszent. Rossendorf, [Ber.] FZR 1997, 200, 188-192. 2. Lim J.L. et al. The use of 3-methoxymethyl-16alpha,17beta-epiestriol-O-cyclic sulfone as the precursor in the synthesis of [ <sup>18</sup> F]-16alpha-fluoroestradiol. Nucl. Med. Biol. 1996, 23, 911-915. 3. Roemer J. et al. <sup>13</sup> C NMR spectroscopic characterization of estra-1,3,5(10)-triene-3,17beta-diol and 3,16,17-triols, and some of their 3-O-methoxymethyl and 16alpha-fluoro derivatives. Forschungszent. Rossendorf, [Ber.] FZR 1996, 122, 27-30. 4. Berridge M.S. et al. Cyclic sulfates: useful substrates for selective nucleophilic substitution. J. Org. Chem. 1990, 55, 1211-1217.	<b>1900.0001:</b> 1 mg per vial <b>1900.0002:</b> 2 mg per vial Please inquire for customized filling and bulk quantities. 

date of product catalogue issue: 05 April 2012