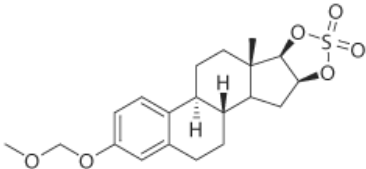


Catalogue Number	Product	Order number / Unit
<b>1900</b>	<b>MMSE</b> <b>Precursor for 16<math>\alpha</math>-[<sup>18</sup>F]Fluoroestradiol</b> <b>Molar Mass:</b> 394.48 C <sub>20</sub> H <sub>26</sub> O <sub>6</sub> S [177714-21-5] Nearly colourless crystals packaged in dark glass crimp cap vials. <b>Purity:</b> > 95 % <b>Certificates:</b> CoA; <sup>1</sup> H NMR spectrum <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> Roemer J. et al. Automated production of n.c.a. 16 $\alpha$ -[ <sup>18</sup> F]fluoroestradiol. <i>Forschungszent. Rossendorf, [Ber.] FZR</i> 1997, 200, 188-192. Lim J.L. et al. The use of 3-methoxymethyl-16 $\alpha$ ,17beta-epiestriol-O-cyclic sulfone as the precursor in the synthesis of [ <sup>18</sup> F]-16 $\alpha$ -fluoroestradiol. <i>Nucl. Med. Biol.</i> 1996, 23, 911-915. 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 16 $\alpha$ -fluoro derivatives. <i>Forschungszent. Rossendorf, [Ber.] FZR</i> 1996, 122, 27-30. Berridge M.S. et al. Cyclic sulfates: useful substrates for selective nucleophilic substitution. <i>J. Org. Chem.</i> 1990, 55, 1211-1217.	1900.0001: 1 mg per vial 1900.0002: 2 mg per vial Please inquire for customized filling and bulk quantities. 

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