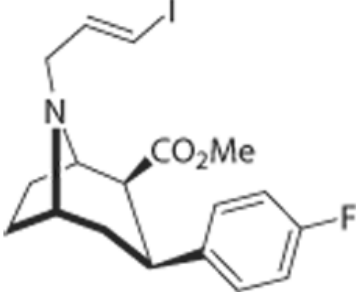


Catalogue Number	Product	Order number / Unit
<b>4210</b>	<b>Altropane</b> <b>Reference standard for [<sup>11</sup>C]Altropane</b> <b>Reference standard for [<sup>127</sup>I]Altropane</b>  <b>Molar Mass:</b> 429.27 <b>C<sub>18</sub>H<sub>21</sub>FINO<sub>2</sub></b> [180468-34-2]  Colourless to orange solid packaged in dark glass screw cap vials.  <b>Purity:</b> > 95 % <b>Certificates:</b> CoA; <sup>1</sup> H and <sup>19</sup> F NMR spectra <b>Chemical Name:</b> CA index name: 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 3-(4-fluorophenyl)-8-[(2E)-3-iodo-2-propenyl]-, methyl ester, (1R,2S,3S,5S)- <b>Synonyms:</b> (E)-N-(1-iodoprop-1-en-3-yl)-3-β-(4-fluorophenyl)-nortropane-2-β-carboxylic acid methyl ester; (E)-N-(3-iodoprop-2-enyl)-2β-carbomethoxy-3β-(4-fluorophenyl)-nortropane; 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 3-(4-fluorophenyl)-8-(3-iodo-2-propenyl)-, methyl ester, [1R-[1a,2a,3a,5a,8(E)]]-; IACFT	<b>4210.0001: 1 mg per vial</b> <b>4210.0010: 10 mg per vial</b> Please inquire for customized filling and bulk quantities.   The chemical structure shows a bicyclic nortropane core. At the 2-position, there is a methyl ester group (-CO <sub>2</sub> Me). At the 3-position, there is a 4-fluorophenyl group (-C <sub>6</sub> H <sub>4</sub> F). At the 8-position, there is a propenyl chain in the (E) configuration, with an iodine atom at the terminal carbon.
	<b>Literature:</b> 1. Fischman A.J. et al. [ <sup>11</sup> C, <sup>127</sup> I] Altropane: a highly selective ligand for PET imaging of dopamine transporter sites. <i>Synapse</i> 2001, 39, 332-342. 2. Elmaleh D.J. et al. Preparation and biological evaluation of iodine-125-IACFT: a selective SPECT agent for imaging dopamine transporter sites. <i>J. Nucl. Med.</i> 1996, 37, 1197-1202. 3. Madras B.K. et al. Altropane, a SPECT or PET imaging probe for dopamine neurons: I. Dopamine transporter binding in primate brain. <i>Synapse</i> 1998, 29, 93-104. II. Distribution to dopamine-rich regions of primate brain. <i>Synapse</i> 1998, 29, 105-115 III. Human dopamine transporter in postmortem normal and Parkinson's diseased brain. <i>Synapse</i> 1998, 29, 116-27.	

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