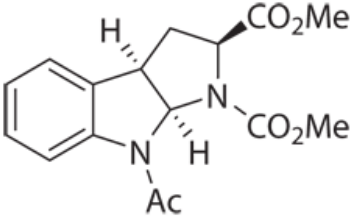


Catalogue Number	Product	Order number / Unit
6500	<b>Dimethyl-8-acetyl-hexahydropyrrolo[2,3]indol-1,2-dicarboxylate</b> <b>Precursor for <math>\alpha</math>-[<math>^{11}\text{C}</math>]Methyl-L-tryptophan</b> <b>Molar Mass:</b> 318.32 $\text{C}_{16}\text{H}_{18}\text{N}_2\text{O}_5$ [79465-83-1] Colourless crystals packaged in dark glass screw cap vials. <b>Purity:</b> > 95 % <b>Certificates:</b> CoA; $^1\text{H}$ NMR spectrum <b>Chemical Name:</b> CA index name: Pyrrolo[2,3-b]indole-1,2(2H)-dicarboxylic acid, 8-acetyl-3,3a,8,8a-tetrahydro-, dimethyl ester, (2 $\alpha$ ,3a beta,8a beta)- <b>Synonymes:</b> Dimethyl-(2S, 3aR, 8aS)-8-acetyl-1,2,3,3a,8a-hexahydropyrrolo[2,3]indol-1,2-dicarboxylate <b>Literature:</b> <ol style="list-style-type: none"><li>1. Shoaf S. et al. The suitability of [<math>^{11}\text{C}</math>]-<math>\alpha</math>-methyl-L-tryptophan as a tracer for serotonin synthesis: studies with dual administration of [<math>^{11}\text{C}</math>]- and [<math>^{14}\text{C}</math>]-labeled tracer. <i>J. Cereb. Blood Flow Metab.</i> 2000, 20, 244-252.</li><li>2. Shoaf S. et al. Brain serotonin synthesis rates in rhesus monkeys determined by [<math>^{11}\text{C}</math>]-<math>\alpha</math>-methyl-L-tryptophan and positron emission tomography compared to CSF 5-hydroxyindole-3-acetic acid concentrations. <i>Neuropsychopharmacology</i> 1998, 19, 345-353.</li><li>3. Chakraborty P.K. et al. A high-yield and simplified procedure for the synthesis of <math>\alpha</math>-[<math>^{11}\text{C}</math>]methyl-L-tryptophan. <i>Nucl. Med. Biol.</i> 1996, 23, 1005-1008.</li><li>4. Mzengeza S. et al. Asymmetric radiosynthesis of <math>\alpha</math>-[<math>^{11}\text{C}</math>]methyl-L-tryptophan for PET studies. <i>Nucl. Med. Biol.</i> 1995, 22, 303-307.</li></ol>	6500.0010: 10 mg per vial Please inquire for customized filling and bulk quantities. 

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