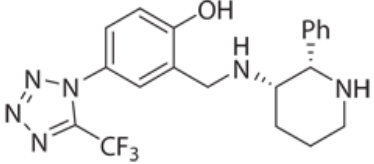


Catalogue Number	Product	Order number / Unit
<b>3500</b>	<b>Desmethyl-GR 205171</b> <b>Precursor for [<sup>11</sup>C]GR 205171</b>  <b>Molar Mass:</b> 418.42 $C_{20}H_{21}F_3N_6O$ [180574-25-8]  Yellowish solid packaged in dark glass crimp cap vials.  <b>Purity:</b> > 95 % <b>Certificates:</b> CoA; <sup>1</sup> H, <sup>13</sup> C and <sup>19</sup> F NMR spectra <b>Chemical Name:</b> CA index name: Phenol, 2-[[[(2S,3S)-2-phenyl-3-piperidiny]-amino]methyl]-4-[5-(trifluoromethyl)-1H-tetrazol-1-yl]- <b>Synonymes:</b> Phenol, 2-[[[(2-phenyl-3-piperidiny)amino]methyl]-4-[5-(trifluoromethyl)-1H-tetrazol-1-yl]-, (2S-cis)- <b>Literature:</b> 1. Bergström M. et al. Brain uptake and receptor binding of two [ <sup>11</sup> C]labelled selective high affinity NK1-antagonists, GR203040 and GR205171-PET studies in rhesus monkey. <i>Neuropharmacology</i> 2000, 39, 664-670. 2. Zamuner S. et al. Estimate the time varying brain receptor occupancy in PET imaging experiments using non-linear fixed and mixed effect modeling approach <i>Nucl. Med. Biol.</i> 2002, 29, 115-123. 3. Bergström M. et al. A new application of pre-normalized principal component analysis for improvement of image quality and clinical diagnosis in human brain PET studies--clinical brain studies using [ <sup>11</sup> C]-GR205171, [ <sup>11</sup> C]-L-deuterium-deprenyl, [ <sup>11</sup> C]-5-Hydroxy-L-Tryptophan, [ <sup>11</sup> C]-L-DOPA and Pittsburgh Compound-B. <i>Neuroimage</i> 2006, 33, 588-98.	<b>3500.0010: 10 mg per vial</b> <b>Please inquire for customized filling and bulk quantities.</b>   The chemical structure shows a central benzene ring. At the 1-position of the benzene ring is a hydroxyl group (-OH). At the 2-position is a -CH2-NH- group, where the nitrogen is bonded to a piperidine ring. The piperidine ring has a phenyl group (-Ph) attached to its 2-position. At the 4-position of the benzene ring is a -CH2- group, which is bonded to a 5-(trifluoromethyl)-1H-tetrazol-1-yl group. The trifluoromethyl group is represented as -CF3.

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