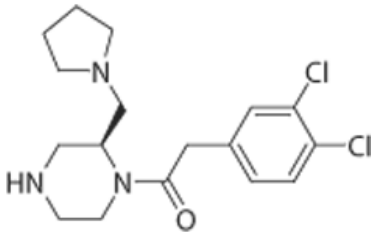


Catalogue Number	Product	Order number / Unit
2061	(S)-(+)-Normethylcarbamoyl-GR103545 Precursor for S-[¹¹C]-GR103545 Molar Mass: 356.29 C₁₇H₂₃Cl₂N₃O [260992-21-0] Yellowish oil packaged in dark glass crimp cap vials. Purity: > 95 % Certificates: CoA; ¹ H NMR and ¹³ C NMR spectra Chemical Name: CA index name: Ethanone, 2-(3,4-dichlorophenyl)-1-[(2S)-2-(1-pyrrolidinylmethyl)-1-piperazinyl]- Synonyms: (2S)-2-(3,4-Dichlorophenyl)-1-(2-pyrrolidin-1-ylmethyl-piperazine-1-yl)-ethanon; (2S)-1-[(3,4-Dichlorophenyl)acetyl]-2-(1-pyrrolidinylmethyl)piperazine; (S)-(+)-Descarbamate-GR103545 Literature: 1. Ravert H.T. et al. [¹¹ C]-GR89696, a potent kappa opiate receptor radioligand; in vivo binding of the R and S enantiomers. Nuc. Med. Biol. 2002, 29, 47-53. 2. Talbot P.S. et al. ¹¹ C-GR103545, a Radiotracer for Imaging κ-Opioid Receptors In Vivo with PET: Synthesis and Evaluation in Baboons. J. Nucl. Med. 2005, 46, 484-494. 3. Naylor A. et al. A Potent New class of κ-Receptor Agonist: 4-Substituted 1-(Arylacetyl)-2-[(dialkylamino)methyl]piperazines. J. Med. Chem. 1993, 36, 2075-2083. 4. Schoultz B.W. et al. A New Method for Radiosynthesis of ¹¹ C-Labeled Carbamate Groups and its Application for a Highly Efficient Synthesis of the Kappa-Opioid Receptor Tracer [¹¹ C]GR103545. The Open Med. Chem. J. 2008, 2, 72-74.	2061.0001: 1 mg per vial 2061.0003: 3 mg per vial 2061.0010: 10 mg per vial Please inquire for customized filling and bulk quantities. 

date of product catalogue issue: 05 April 2012