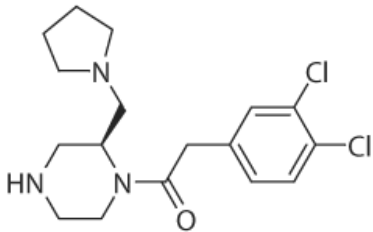


| Catalogue Number | Product | Order number / Unit |
|------------------|--|--|
| 2061 | (R)-(+)-Normethylcarbamoyl-GR 103545 Precursor for (S)-(+)-[¹¹C]-GR 103545 Molar Mass: 356.29 C₁₇H₂₃Cl₂N₃O [199470-02-5] Yellowish oil packaged in dark glass crimp cap vials. Purity: > 95 % Certificates: CoA; ¹ H and ¹³ C NMR spectra Chemical Name: CA index name: Piperazine, 1-[(3,4-dichlorophenyl)acetyl]-2-(1-pyrrolidinylmethyl)-, (2R) Synonymes: (2R)-2-(3,4-Dichlorophenyl)-1-(2-pyrrolidin-1-ylmethyl-piperazine-1-yl)-ethanon; (2R)-1-[(3,4-Dichlorophenyl)acetyl]-2-(1-pyrrolidinymethyl)piperazine Literature: Ravert H.T. et al. [¹¹ C]-GR 89696, a potent kappa opiate receptor radioligand; in vivo binding of the R and S enantiomers. <i>Nuc. Med. Biol.</i> 2002, 29, 47-53. Talbot P.S. et al. ¹¹ C-GR 103545, a Radiotracer for Imaging κ-Opioid Receptors In Vivo with PET: Synthesis and Evaluation in Baboons. <i>J. Nucl. Med.</i> 2005, 46, 484-494. Naylor A. et al. A Potent New class of κ-Receptor Agonist: 4-Substituted 1-(Arylacetyl)-2-[(dialkylamino) methyl]piperazines. <i>J. Med. Chem.</i> 1993, 36, 2075-2083. Schultz 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]GR 103545. <i>The Open Med. Chem. J.</i> 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: 10 May 2017