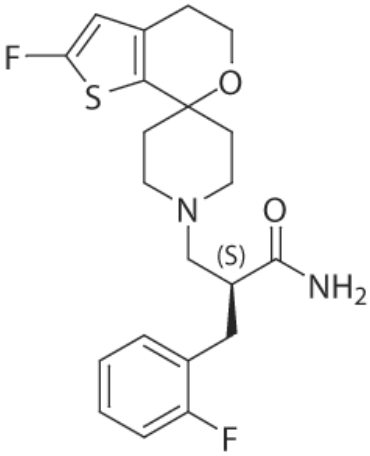
| Catalogue Number | Product | Order number / Unit |
|---|---|---|

## 2450 (S)-FPSPPA

**2450.0100: 100 mg per vial**
**Please inquire for customized filling and bulk quantities.**




**Precursor for (S)-[$^{11}$C]-Methyl-FPSPPA**
**2-[(2-Fluorophenyl)methyl]-3-(2-fluorospiro[4,5-dihydrothieno [2,3-c]pyran-7,40-piperidine]-10-yl) propanamide**

**Molar Mass:** 406.49

$C_{21}H_{24}F_2N_2O_2S$

[1283095-64-6]

White solid packaged in dark glass vials.

**Purity:** > 95 %

**Certificates:**
CoA; $^1$H NMR spectrum

**Chemical Name:**
Spiro[piperidine-4,7'-[7H]thieno[2,3-c]pyran]-1-propanamide, 2'-fluoro-α-[(2-fluorophenyl)methyl]-4',5'-dihydro-, (αS)-

**Synonymes:**
(2S)-2-[(2-Fluorophenyl)methyl]-3-(2-fluorospiro[4,5-dihydrothieno [2,3-c]pyran-7,40-piperidine]-10-yl)propanamide

**Literature:**

Pike V. et al. Synthesis and Evaluation of Radioligands for Imaging Brain Nociceptin/Orphanin FQ Peptide (NOP) Receptors with Positron Emission Tomography, J. Med. Chem. 2011, 54, 2687-2700.

Pedregal C. et al. Development of LC-MS/MS-Based Receptor Occupancy Tracers and Positron Emission Tomography Radioligands for the Nociceptin/Orphanin FQ (NOP) Receptor, J. Med. Chem. 2012, 55, 4955-4967.

Kimura Y. et al. Brain and Whole-Body Imaging in Rhesus Monkeys of $^{11}$C-NOP-1A, a Promising PET Radioligand for Nociceptin/Orphanin FQ Peptide Receptors, J. Nucl. Med. 2011, 52, 1638-1645.

date of product catalogue issue: 10 May 2017