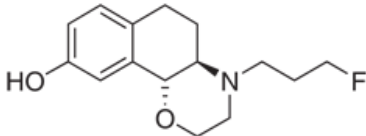


| Catalogue Number | Product  | Order number / Unit  |
|------------------|--|--|
| <b>1646</b>      | <b>(+)-F-PHNO</b><br><b>Reference standard [<sup>18</sup>F]-(+)-F-PHNO</b><br><b>Molar Mass:</b> 265.32<br><b>C<sub>15</sub>H<sub>20</sub>FNO<sub>2</sub></b><br>[905963-70-4]<br>Colourless to off-white solid packaged in dark glass screw cap vials.<br><b>Purity:</b> > 95 %<br><b>Certificates:</b><br>CoA; <sup>1</sup> H and <sup>19</sup> F NMR spectra<br><b>Chemical Name:</b><br>CA index name: 2H-Naphtho[1,2-b]-1,4-oxazin-9-ol, 4-(3-fluoropropyl)-3,4,4a,5,6,10b-hexahydro-, (4aR,10bR)-; 2H-Naphth[1,2-b]-1,4-oxazin-9-ol, 4-(3-fluoropropyl)-3,4,4a,5,6,10b-hexahydro-, (4aR,10bR)-<br><b>Synonyms:</b><br>[ <sup>18</sup> F]-(+)-F-PHNO = [ <sup>18</sup> F]-(+)-4-Fluoropropyl-3,4,4a,5,6,10b-hexahydro-2H-naphtho[1,2-b][1,4]oxazin-9-ol<br><b>Literature:</b><br>1. Wilson et al. [ <sup>11</sup> C]-(+)-4-Propyl-3,4,4a,5,6,10b-hexahydro-2H-naphtho[1,2-b][1,4]oxazin-9-ol as a Potential Radiotracer for in Vivo Imaging of the Dopamine D2 High-Affinity State with Positron Emission Tomography. <i>J. Med. Chem.</i> 2005, 48, 4153-4160.<br>2. Boileau et al. Decreased binding of the D3 dopamine receptor-preferring ligand [ <sup>11</sup> C]-(+)-PHNO in drug-naïve Parkinson's disease. <i>Brain</i> , 2009, 132, 1366-1375.<br>3. Wilson et al. Syntheses and in vitro evaluation of fluorinated naphthoxazines as dopamine D2/D3 receptor agonists: radiosynthesis, ex vivo biodistribution and autoradiography of [ <sup>18</sup> F]F-PHNO. <i>Nucl. Med. Biol.</i> 2007, 34, 195-203. | 1646.0001: 1 mg per vial<br>1646.0010: 10 mg per vial<br>Please inquire for customized filling and bulk quantities.<br> |

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