

Catalogue Number	Product	Order number / Unit
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**4370**

**(+)-McN 5652**

Reference standard for (+)-[<sup>11</sup>C]McN 5652

**Molar Mass:** 681.79

C<sub>19</sub>H<sub>21</sub>NS · C<sub>20</sub>H<sub>18</sub>O<sub>8</sub>

[259145-56-7]

(+)-McN 5652 free base: [103729-16-4]

Colourless solid packaged in dark glass screw cap vials.

**Purity:** > 95 %

**Certificates:**

CoA; <sup>1</sup>H and <sup>13</sup>C NMR spectra

**Chemical Name:**

Butanedioic acid, 2,3-bis[(4-methylbenzoyl)oxy]-, (2R,3R)-, compd. with (6S,10bR)-1,2,3,5,6,10b-hexahydro-6-[4-(methylthio)phenyl]pyrrolo[2,1-a]isoquinoline; Pyrrolo[2,1-a]isoquinoline, 1,2,3,5,6,10b-hexahydro-6-[4-(methylthio)phenyl]-, (6S,10bR)-, (2R,3R)-2,3-bis[(4-methylbenzoyl)oxy]butanedioate

**Synonymes:**

Pyrrolo[2,1-a]isoquinoline, 1,2,3,5,6,10b-hexahydro-6-[4-(methylthio)phenyl]-, (6S,10bR)-, (2R,3R)-2,3-di-(O-4-methylphenoxy)butanedioate ; (+)-McN 5652, (-)-di-O-toluyltartrate salt

**Literature:**

1. Zessin J. et al. Efficient Synthesis of Enantiomerically Pure Thioester Precursors of [<sup>11</sup>C]MCN-5652 from Racemic MCN-5652. *J. Labelled Compd. Radiopharm.* 1999, 42, 1301-12.
2. Parsey R.V. et al. In Vivo Quantification of Brain Serotonin Transporters in Humans Using [<sup>11</sup>C]McN 5652. *J. Nucl. Med.* 2000, 41, 1465-1477.
3. Buck A. et al. Evaluation of Serotonergic Transporters Using PET and [<sup>11</sup>C]McN 5652: Assessment of Methods. *J. Cereb. Blood Flow Metab.* 2000, 20, 253-262.
4. Suehiro M. et al. An improved method for the synthesis of radiolabeled McN5652 via thioester precursors. *Nucl. Med. Biol.* 1995, 22, 543-5.

**4370.0010: 10 mg per vial**  
Please inquire for customized filling and bulk quantities.

