

Catalogue Number	Product	Order number / Unit
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**4100****CITFES****Precursor for [<sup>11</sup>C]beta-CITFE****Molar Mass:** 403.23C<sub>16</sub>H<sub>19</sub>FINO<sub>2</sub>

[180045-77-6]

Colourless to nearly colourless solid packaged in dark glass crimp cap vials (4100.0001) or screw cap vials (4100.0010).

**Purity:** > 95 %**Certificates:**CoA; <sup>1</sup>H and <sup>19</sup>F NMR spectra**Chemical Name:**

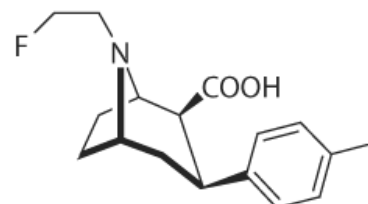
CA index name: 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 8-(2-fluoroethyl)-3-(4-iodophenyl)-, (1R,2S,3S,5S)-

**Synonymes:**

N-2-fluoroethyl-3-β-(4-iodophenyl)nortropine-2-β-carboxylic acid; β-CIT-FE acid

**Literature:**Antonini A. et al. The status of dopamine nerve terminals in Parkinson's disease and essential tremor: a PET study with the tracer [<sup>11</sup>C]FE-CIT. *Neurol. Sci.* 2001, 22, 47-48.Halldin C. et al. [<sup>11</sup>C]beta-CIT-FE, a radioligand for quantitation of the dopamine transporter in the living brain using positron emission tomography. *Synapse* 1996, 22, 386-390.Baldwin R.M. et al. Regional brain uptake and pharmacokinetics of [<sup>123</sup>I]N-ω-fluoroalkyl-2-β-carboxy-3-β-(4-iodophenyl)-nortropine esters in baboons. *Nucl. Med. Biol.* 1995, 22, 211-209.

4100.0001: 1 mg per vial  
4100.0010: 10 mg per vial  
Please inquire for customized filling and bulk quantities.



date of product catalogue issue: 10 May 2017