

Catalogue Number	Product	Order number / Unit
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**2390 Desmethylcarfentanil acid****Precursor for [<sup>11</sup>C]Carfentanil****Molar Mass:** 380.48C<sub>23</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub>

[186022-53-7]

Colourless solid packaged in dark glass crimp cap vials.

**Purity:** > 95 %**Certificates:**CoA; <sup>1</sup>H-NMR spectrum**Chemical Name:**

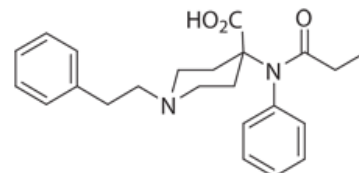
CA index name: 4-Piperidinecarboxylic acid, 4-[(1-oxopropyl)phenylamino]-1-(2-phenylethyl)-

**Synonymes:**

desmethyl-Caf; desmethyl-CFN

**Literature:**

1. Dannals R. et al. Radiosynthesis of an Opiate Receptor Binding Radiotracer: [<sup>11</sup>C]Carfentanyl. Int. J. Appl. Radiat. Isot. 1985, 36, 303-306.
2. Frost J.J. et al. Comparison of [<sup>11</sup>C]diprenorphine and [<sup>11</sup>C]carfentanyl binding to opiate receptors in humans by positron emission tomography. J. Cereb. Blood Flow Metab. 1990, 10, 484-492.
3. Jewett D. M. A simple synthesis of [<sup>11</sup>C]carfentanil using an extraction disk instead of HPLC. Nucl. Med. Biol. 2001, 28, 733-734.
4. Studenov A. R. et al. Efficient In-Loop Synthesis of High Specific Radioactivity [<sup>11</sup>C]Carfentanil. J. Labelled Compd. Radiopharm. 2003, 46, 837-842.

**2390.0001: 1 mg per vial  
Please inquire for customized  
filling and bulk quantities.**

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