

Catalogue Number	Product	Order number / Unit
831	<p><b>Pentadecylmagnesium bromide 0.5 M solution in diethyl ether</b></p> <p><b>Reagent for synthesis of [<sup>11</sup>C]palmitic acid</b></p> <p>Manufactured and packaged in argon atmosphere. Repeated extractions from vial in argon atmosphere possible, but not recommended.</p> <p><b>Molar Mass:</b> 315.62</p> <p>C<sub>15</sub>H<sub>31</sub>BrMg</p> <p>[78887-70-4]</p> <p>Yellow-brown liquid, may contain some crystalline particles packaged in amber glass vials (1 ml) sealed with teflon-faced rubber stoppers and tear-off crimp caps containing 1 ml of 0.5 M C<sub>15</sub>H<sub>31</sub>BrMg solution in diethylether.</p> <p><b>Purity:</b> &gt; 95 %</p> <p><b>Certificates:</b> CoA indicating molarity of the product</p> <p><b>Chemical Name:</b> CA index names: Magnesium, bromopentadecyl-; Pentadecane, magnesium complex</p> <p><b>Synonymes:</b> Pentadecylmagnesium bromide Grignard in diethylether</p> <p><b>Literature:</b></p> <ol style="list-style-type: none"><li>Zielinski F. et al. Synthesis of high purity <sup>11</sup>C labeled palmitic acid for measurement of regional myocardial perfusion and metabolism. <i>Int. J. Nucl. Med. Biol.</i> 1984, 11, 121-128.</li><li>Padgett H.C. et al. 1-[<sup>11</sup>C]palmitic acid: improved radio-pharmaceutical preparation. <i>Int. J. Appl. Radiat. Isot.</i> 1982, 33, 1471-1472.</li><li>Buckman B.O. et al. Synthesis and tissue biodistribution of [omega-<sup>11</sup>C]palmitic acid. A novel PET imaging agent for cardiac fatty acid metabolism. <i>J. Med. Chem.</i> 1994, 37, 2481-2485.</li></ol>	<p>831.0001: 1 ml per vial Please inquire for customized filling and bulk quantities.</p> 