

Catalogue Number	Product	Order number / Unit
------------------	---------	---------------------

**1280****DEMM****Precursor for 2-[<sup>11</sup>C]Thymidine****Molar Mass:** 204.22C<sub>9</sub>H<sub>16</sub>O<sub>5</sub>

[93504-92-8]

Colourless oil packaged in dark glass crimp cap vials.

**Purity:** > 95 %**Certificates:**CoA; <sup>1</sup>H and <sup>13</sup>C NMR spectra, GC**Chemical Name:**

CA index name: Butanedioic acid, 2-hydroxy-3-methyl-, diethyl ester

**Synonyms:**

Diethyl-3-methylmalate; Malic acid, 3-methyl-, diethyl ester

**Literature:**

1. Steel C. et al. An automated radiosynthesis of 2-[<sup>11</sup>C]thymidine using anhydrous [<sup>11</sup>C]urea derived from [<sup>11</sup>C]phosgene. Appl. Radiat. Isotop. 1999, 51, 377-88.
2. Vander Brought T. et al. Production of 2-[<sup>11</sup>C]thymidine for quantification of cellular proliferation with PET. Appl. Radiat. Isotop. 1991, 42, 103-4.

**1280.0010: 10 mg per vial**  
Please inquire for customized filling and bulk quantities.