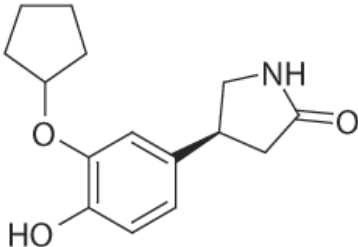


Catalogue Number	Product	Order number / Unit
<b>6040</b>	<b>(S)-(+)-Desmethyl-Rolipram</b> Precursor for S-(+)-[ <sup>11</sup> C]Rolipram  <b>Molar Mass:</b> 261.32 C <sub>15</sub> H <sub>19</sub> NO <sub>3</sub> [347148-60-1]  Colourless solid packaged in dark glass screw cap vials.  <b>Purity:</b> > 95 % <b>Certificates:</b> CoA; <sup>1</sup> H NMR spectrum <b>Chemical Name:</b> CA index name: 2-Pyrrolidinone, 4-[3-(cyclopentyloxy)-4-hydroxyphenyl]-, (4S)- <b>Synonymes:</b> S-Desmethyl-Rolipram; (+)-Desmethyl-Rolipram <b>Literature:</b> Kenk M. et al. In vivo selective binding of (R)-[ <sup>11</sup> C]rolipram to phosphodiesterase-4 provides the basis for studying intracellular cAMP signaling in the myocardium and other peripheral tissues. <i>Nucl. Med. Biol.</i> 2007, 34, 71-77. Parker C.A. et al. Behaviour of [ <sup>11</sup> C]R(-)- and [ <sup>11</sup> C]S(+)-rolipram in vitro and in vivo, and their use as PET radiotracers for the quantitative assay of PDE4. <i>Synapse</i> 2005, 55, 270-279. Lourenco C.M. et al. Characterization of R-[ <sup>11</sup> C]rolipram for PET imaging of phosphodiesterase-4: in vivo binding, metabolism, and dosimetry studies in rats. <i>Nucl. Med. Biol.</i> 2001, 28, 347-358. Tsukada H. et al. Facilitation of dopaminergic neural transmission does not affect [ <sup>11</sup> C]SCH23390 binding to the striatal D1 dopamine receptors, but the facilitation enhances phosphodiesterase type-IV activity through D1 receptors: PET studies in the conscious monkey brain. <i>Synapse</i> 2001, 42, 258-265.	<b>6040.0010: 10 mg per vial</b> Please inquire for customized filling and bulk quantities.  

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