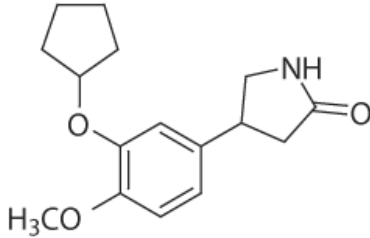


Catalogue Number	Product	Order number / Unit
<b>6000</b>	<b>Rolipram</b> <b>Reference standard for [<sup>11</sup>C]Rolipram</b> <b>Molar Mass:</b> 275.35 $C_{16}H_{21}NO_3$ [61413-54-5] Yellowish solid packaged in dark glass screw cap vials. <b>Purity:</b> > 95 % <b>Certificates:</b> CoA; <sup>1</sup> H NMR spectrum <b>Chemical Name:</b> CA index name: 2-Pyrrolidinone, 4-[3-(cyclopentyloxy)-4-methoxyphenyl]- <b>Synonyms:</b> 4-[3-(Cyclopentyloxy)-4-methoxyphenyl]-2-pyrrolidinone; (±)-Rolipram; (R,S)-Rolipram; SB 95952; ZK 62711 <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. Nucl. Med. Biol. 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. Synapse 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. Nucl. Med. Biol. 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. Synapse 2001, 42, 258-265.	<b>6000.0010: 10 mg per vial</b> <b>Please inquire for customized filling and bulk quantities.</b> 

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