

Catalogue Number	Product	Order number / Unit
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6510 **alpha-Methyl-L-tryptophan**
Reference standard for α -[^{11}C]Methyl-L-tryptophan

Molar Mass: 218.25

$\text{C}_{12}\text{H}_{14}\text{N}_2\text{O}_2$

[16709-25-4]

Colourless solid packaged in dark glass screw cap vials.

Purity: > 95 %

Certificates:

CoA; ^1H NMR spectrum

Chemical Name:

CA index name: L-Tryptophan, α -methyl-

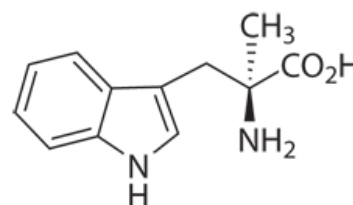
Synonymes:

alpha-Methyl-L-tryptophan

Literature:

1. Shoaf S. et al. The suitability of [^{11}C]- α -methyl-L-tryptophan as a tracer for serotonin synthesis: studies with dual administration of [^{11}C]- and [^{14}C]-labeled tracer. *J. Cereb. Blood Flow Metab.* 2000, 20, 244-252.
2. Shoaf S. et al. Brain serotonin synthesis rates in rhesus monkeys determined by [^{11}C]- α -methyl-L-tryptophan and positron emission tomography compared to CSF 5-hydroxyindole-3-acetic acid concentrations. *Neuropsychopharmacology* 1998, 19, 345-353.
3. Chakraborty P.K. et al. A high-yield and simplified procedure for the synthesis of α -[^{11}C]methyl-L-tryptophan. *Nucl. Med. Biol.* 1996, 23, 1005-1008.
4. Mzengeza S. et al. Asymmetric radiosynthesis of α -[^{11}C]methyl-L-tryptophan for PET studies. *Nucl. Med. Biol.* 1995, 22, 303-307.

6510.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.



date of product catalogue issue: 05 April 2012