

Catalogue Number	Product	Order number / Unit
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2760**FNMB****Reference standard for [¹⁸F]NMB
([¹⁸F]-(3-N-Methyl)Benperidol)****Molar Mass:** 395.47C₂₃H₂₆FN₃O₂

[133066-70-3]

Colourless to brown powder packaged in dark glass screw cap vials.

Purity: > 95 %**Certificates:**CoA; ¹H and ¹⁹F NMR spectra**Chemical Name:**

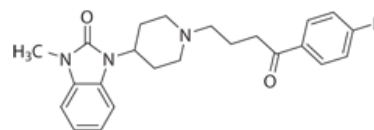
CA index name: 2H-benzimidazol-2-one, 1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-piperidinyl]-1,3-dihydro-3-methyl-

Synonymes:

1-[3-(4'-fluorobenzoyl)propyl]-4-(2-keto-3-methyl-1-benzimidazoliny)l)piperidine); N-Methylbenperidol

Literature:

1. Shiue C.-Y. et al. Syntheses and Specific Activity Determinations of No-Carrier-Added Fluorine-18-Labeled Neuroleptic Drugs J. Nucl. Med. 1985, 26, 181-186.
2. Suehiro M. et al. In Vivo Labeling of the Dopamine D2 Receptor with N-¹¹C-Methyl-Benperidol J. Nucl. Med. 1990, 31, 2015-2021.
3. Moerlein S. M. et al. Production of fluorine-18-labeled (3-N-methyl)benperidol for PET investigation of cerebral dopaminergic receptor binding. Int. J. Rad. Appl. Instrum. A 1992, 43, 913-917.
4. Moerlein S.M. et al. Radiation Dosimetry of [¹⁸F](N-Methyl)Benperidol as Determined by Whole-Body PET Imaging of Primates Nucl. Med. Biol. 1997, 24, 311-318.
5. Nikolaus S. et al. In Vivo Measurement of D2 Receptor Density and Affinity for ¹⁸F-(3-N-Methyl) Benperidol in the Rat Striatum with a PET System for Small Laboratory Animals J. Nucl. Med. 2003, 44, 618-624.

**2760.0010: 10 mg per vial
Please inquire for customized
filling and bulk quantities.**

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