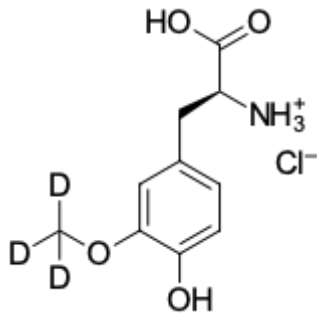


3-O-Methyldopa-d3 (3-OMD-d3)

<http://hk.lumiprobe.com/p/3-o-methyldopa-omd-d3>

3-O-Methyldopa-d3 (3-OMD isotopic standard), 3-Methoxy-L-tyrosine, is a metabolite of L-dioxyphenylalanine (DOPA, L-DOPA, the drug levodopa), which is formed by the action of catechol-O-methyltransferase (COMT). 3-Methoxy-L-tyrosine competitively inhibits the pharmacodynamics of L-DOPA and dopamine. 3-Methoxy-L-tyrosine is an important marker for screening Parkinson's disease patients taking the drug levodopa. 3-Methoxy-L-tyrosine is also a major biochemical marker of aromatic L-amino acid decarboxylase deficiency (AADC, EC 4.1.1.28), an inborn error of metabolism that affects serotonin and dopamine biosynthesis.



外观:

分子量: 250.69

CAS 编号: 586954-09-8

分子式: $C_{10}H_{11}D_3ClNO_4$

溶解度:

质量控制: NMR 1H 和 HPLC-MS (95+%、D: 98+%)

储存条件:

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。