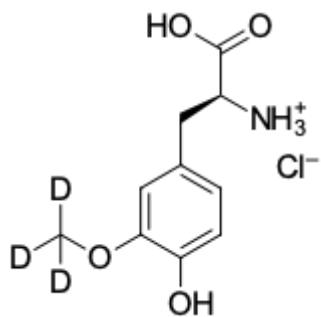


3-O-Methyldopa-d3 (3-OMD-d3)

<http://cn.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-dihydroxyphenylalanine (DOPA, L-DOPA, the drug levadopa), 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 levadopa. 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:	250.69
分 子 量:	
CAS	586954-09-8
编 号:	
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:	本产品仅供研究目的提供和销售。本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试，且未经明示或暗示授权用于其他任何用途，包括但不限于体外诊断、人类或动物用途，以及商业用途。