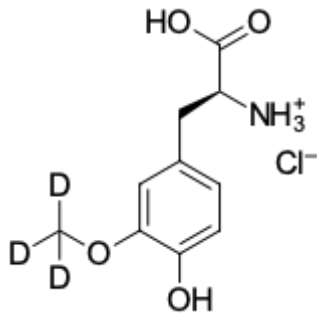


3-O-Methyldopa-d3 (3-OMD-d3)

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

3-O-Methyldopa-d3 (3-OMD isotopic standart), 3-Methoxy-L-tyrosine, is a metabolite of L-dioxyphenylalanine (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:

分子 250.69

重量:

CAS 586954-09-8

编号:

分子 $C_{10}H_{11}D_3ClNO_4$

式:

溶解度:

质量

NMR 1H 和 HPLC-MS (95+%、D: 98+%)

控制:

储存

条件:

法律

声明:

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