

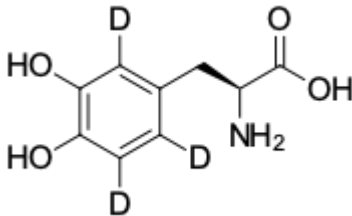
L-DOPA-d3

<http://hk.lumiprobe.com/p/l-dopa-d3>

L-DOPA-d3 is deuterated form of 3-(3,4-Dihydroxyphenyl)-L-alanine amino acid (L-DOPA). L-DOPA-d3 is intended for use as an internal standard for the quantification of L-DOPA in human plasma by LC-MS-MS.

L-3,4-Dihydroxyphenylalanine (L-DOPA) is a metabolic precursor of the neurotransmitter dopamine. In medicine, it is used as a replacement therapy for Parkinson's disease, compensating for the dopamine deficiency in the nigrostriatal system. In research, it serves as a marker for assessing the integrity and functional activity of dopaminergic neurons, particularly during PET imaging. Measurement of its plasma concentration is performed to monitor the drug's bioavailability and pharmacokinetics in patients, optimize dosing to manage dyskinesias, and diagnose aromatic L-amino acid decarboxylase (AADC) deficiency.

Using our product, you can accurately measure L-DOPA concentration in blood and use this data to tailor an optimal therapy.



外观:

分子量: 200.21

CAS 编号: 53587-29-4

分子式: $C_9H_8D_3NO_4$

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。