SPECIFICATION

L-DOPA methyl ester hydrochloride

Product Code: FD22596

Synonyms: 3-(3,4-Dihydroxyphenyl)alanine methyl ester hydrochloride
3-Hydroxy-L-tyrosine methyl ester hydrochloride
Levodopa methyl ester hydrochloride

CAS Number: 1421-65-4

Chemical Formula: C_{10}H_{14}ClNO_{4}

Molecular Weight: 247.68

TECHNICAL SPECIFICATION

Appearance: White to off-white crystalline powder

Assay: min 96%

Specific optical rotation $[\alpha]_D^{20}$ (c=1, CH$_3$OH): +6 to +8°

Melting point: 165 - 175°C

Identity (¹H NMR): Conforms to structure