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Product Specifications

Catalogue Number	03841
Product	Z-L-aspartic acid β-<i>tert</i>-butyl ester monohydrate Z-L-Asp(OtBu)-OH•H ₂ O
CAS Number	5545-52-8
Molecular Formula	C ₁₆ H ₂₁ NO ₆ •H ₂ O
Molecular Weight	341.3
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Appearance	White to off-white powder
Melting Point	52 - 58 °C
Water Content (Karl Fisher)	≤ 6.0%
Kaiser Test	Negative
Optical Rotation	[α] _D ²⁰ = -19.0 to 20.5 ° (C=1 in DMF)
Related Substances	H-Asp(OtBu)-OH ≤ 0.2% Z-Asp(H)-OH ≤ 0.2% Z-D-Asp(OtBu)-OH,H ₂ O ≤ 0.5%
Assay by titration	≥ 99%
Purity by HPLC	≥ 99%
Storage	Store at 0-8 °C

For Laboratory Use Only