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Certificate of Analysis

Catalogue Number 14929
Product **D-2-Aminobutyric acid tert-butyl ester hydrochloride**

Lot Number 000424-240226-22259
D-Abu-OtBu•HCl

CAS Number 313994-32-0
Molecular Formula C₈H₁₇NO₂•HCl

Molecular Weight 195.69

Appearance White powder
Solubility Clear solution 0.3 g in 2 mL water
Melting Point 241.6 - 242.7 °C
Water Content (Karl Fisher) 0.13%
Optical Rotation [α]_D²⁰ = -13.3 ° (C=1 in EtOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.26% (80 °C at 2 h)
¹H NMR Conforms to structure
Purity by HPLC 98.14%
Storage Store at 0 - 8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager