



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-285390
Lot Number: SAMPLE
Product Name: D-Serine benzyl ester hydrochloride
CAS Number: 151651-44-4
Molecular Formula: $C_{10}H_{13}NO_3 \cdot HCl$
Molecular Weight: 231.68

Test	Specification	Result
Appearance	White to off white powder	
Identification (1H-NMR)	Conforms to structure	
Identification (Infrared Spectrum)	Conforms to structure	
Identification (Mass Spectrometry)	Conforms to structure	
Purity (HPLC)	$\geq 99\%$	
Melting Point	169-174 °C	
Solubility	Clear solution (0.3 g in 2 mL H ₂ O)	
Optical Rotation ($\alpha_{20/D}$)	$+11 \pm 2^\circ$ (C=2 in H ₂ O)	
Loss on Drying	$\leq 1\%$ (80 °C, 2h)	
Water Content (KF)	$\leq 1\%$	

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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