



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-506258
Lot Number: SAMPLE
Product Name: (3R)-3-phenylbutanoic acid
CAS Number: 772-14-5
Molecular Formula: $C_{10}H_{12}O_2$
Molecular Weight: 164.2

Test	Specification	Result
Appearance	Yellow liquid	Complies
Identification (1H-NMR)	Conforms with structure	Complies
Identification (LCMS)	Conforms with structure	Complies
LCMS	$\geq 95\%$	95.8%, conforms with structure
Purity		95.8% (optic purity)
Purity (1H-NMR)	$\geq 95\%$	95%, conforms with structure
Purity (GCMS)	$\geq 95\%$	100%, conforms with structure
Boiling Point		153 - 154 °C at 10 mmHg
Specific Rotation		-55.44° (21°C, 589 nm, 1g/100ml CHCl ₃)

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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