



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-219027
Lot Number: SAMPLE
Product Name: N-Acetyl-d3-S-(N-methylcarbamoyl)-L-cysteine
CAS Number: 103974-29-4 (unlabeled)
Molecular Formula: $C_7H_9D_3N_2O_4S$
Molecular Weight: 223.26
Native Source: Synthetic

Test	Specification	Result
Appearance		White Solid
Identification (1H -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Identification (TLC)		Complies
Isotopic Purity		98.9%
Purity (HPLC)		95.19%
Atmosphere		Inert Gas
Melting Point		48 - 56 °C
Solubility		DMSO, Methanol, water
Carbon Content	37.66%	37.68%
Hydrogen Content	5.42%	5.56%
Nitrogen Content	12.55%	12.19%

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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