



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-217546
Lot Number: SAMPLE
Product Name: α -Thymidine
CAS Number: 4449-43-8
Molecular Formula: $C_{10}H_{14}N_2O_5$
Molecular Weight: 242.23

Test	Specification	Result
Appearance	White powder	Complies
Purity (HPLC)		> 99 %
Purity (TLC)		> 99.5 %
Elemental Analysis		C: 49.59% N: 11.57%
Infrared Spectrum	Conforms to structure	Complies
Specific Rotation	+5.0 to 8.0 ° (c=2.0 in water at 25°C)	+5.73° (c=2.0 in water at 25°C)
UV/Visible Spectrum	EMM = 9.4 - 9.9 at λ_{max} 269nm in water	EMM = 9.82 at λ_{max} 269nm in water

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com