



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-220942
Lot Number: SAMPLE
Product Name: 4-Methylphenylthio- β -D-galactopyranoside
CAS Number: 28244-98-6
Molecular Formula: $C_{13}H_{18}O_5S$
Molecular Weight: 286.35

Test	Specification	Result
Appearance	White crystalline solid	Complies
Identification (1H-NMR)	Conforms to structure	Complies
Purity (1H-NMR)		$\geq 98\%$
TLC	1 spot, Rf 0.35 DCM-MeOH 7:1 (AMCS, UV)	Complies
Melting Point		143-144°C
Solubility		DMSO, H ₂ O, MeOH (warm)
Loss on Drying	< 0.1% (60°C, 1hr)	Complies

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