



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-460911
Lot Number: SAMPLE
Product Name: 3-[[2-[(2-chloroethyl)amino]ethyl]amino]propyl monophosphate dihydrochloride
CAS Number: 158401-51-5
Molecular Formula: $C_7H_{18}ClN_2O_4P \cdot 2HCl$
Molecular Weight: 333.58
Native Source: Synthetic

Test	Result
Appearance	Off-White Solid
Identification (1H-NMR)	Complies
Identification (31P-NMR)	Complies
Identification (Mass Spectrometry)	Complies
Purity (TLC)	98%
Atmosphere	Inert Gas
Elemental Analysis	(Found) %C: 25.14, %H: 6.03, %N: 8.30; (Calculated) %C: 25.20, %H: 6.04, %N: 8.40
Melting Point	136 - 140°C
Solubility	DMSO (Slightly), Water (Slightly)
Chloride	21.9%

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