



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-295327
Lot Number: SAMPLE
Product Name: L-Pyroglutamic acid pentachlorophenyl ester
CAS Number: 28990-85-4
Molecular Formula: $C_{11}H_6NO_3Cl_5$
Molecular Weight: 377.44

Test	Specification	Result
Appearance		White powder
Assay		99.5% (Elemental Analysis)
TLC		Chloroform/Methanol/Acetic acid (90:8:2) Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Toluene/Dioxane/Acetic acid (95:25:4) Plate: Silica gel 60 F254 Detected by UV, ninhydrin, chlorine-tolidine
Elemental Analysis	C = 35.0%; H = 1.6; N = 3.7%	C = 34.8%; H = 1.6%; N = 3.7%
Melting Point		192 °C
Solution		Clear, colorless solution (50 mg/mL in chloroform/methanol 1/1)
Optical Rotation ($\alpha_{24/D}$)		+20.5° (1% in DMF)

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