



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-285182
Lot Number: SAMPLE
Product Name: Boc-L-glutaminol
CAS Number: 133565-42-1
Molecular Formula: $C_{10}H_{20}N_2O_4$
Molecular Weight: 232.3

Test

Result

Purity (HPLC)

> 98% (much lower extinction coefficient for Boc-Glutaminol comparing to Boc-Gln-OH (substrate) causes worse HPLC purity than real), Vydac C18 COLUMN, Gradient elution 10-30% B; flow rate 1 ml/min $t_R = 7.1$ min; $\lambda = 214$ nm
A=Water: trifluoroacetic acid (100: 0.5)
B=Acetonitrile: Water: trifluoroacetic acid (84: 16: 0.38)

TLC

Chloroform:methanol: acetic acid 17: 2 R_f = 0.35
Chloroform: Methanol 4: 1 R_f 0.50

Melting Point

117-119 °C (crystals from ethanol-ether)

Optical Rotation

-10.0° (c = 2, methanol)

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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