

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	05391
<b>Product Name</b>	Boc-Lys(Tos)-OH-DCHA
<b>Lot Number</b>	5391-110204-1
<b>CAS Registry Number</b>	13734-29-7
<b>Molecular Formula</b>	$C_{18}H_{28}N_2O_6S \cdot C_{12}H_{23}N$
<b>Molecular Weight</b>	581.82
<b>Appearance</b>	Off-white crystals
<b>Melting Point</b>	47 – 55 °C
<b>Specific Rotation <math>[\alpha]_D^{20}</math></b>	+ 8.17 ° (c=1, MeOH)
<b>Purity (HPLC)</b>	98 %
<b>Storage</b>	Store at 0-5°C.
<b>Remarks</b>	See Material Safety Data Sheets for additional information. For Laboratory use only



Sashi Kumar  
Quality Control Manager

## HPLC Conditions

<b>Column</b>	Beckman Ultrasphere 5 $\mu$ m, 250x4.6 mm, 150 Å
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	11.667
<b>Sample preparation</b>	2 mg/1 mL 100% Acetonitrile/Water
<b>Injection volume, <math>\mu</math>l</b>	5

**Method /Detection at, nm**

**Gradient**

30-80% B

A = 99.9% Water, 0.1% TFA

B = 95% Acetonitrile, 4.9% Water, 0.1% TFA

30 min, flow rate = 1.0 mL / min

**Boc / 210**