

# *Chem-Impex International, Inc.*

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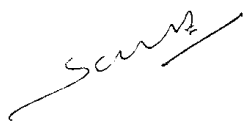
Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalog Number</b>	05708
<b>Product Name</b>	Fmoc-D-Thr(Bzl)-OH Fmoc-O-(benzyl ether)-D-threonine
<b>Lot Number</b>	05708-012505-1
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>25</sub> NO <sub>5</sub>
<b>Molecular Weight</b>	431.5
<b>Appearance</b>	White powder
<b>Melting Point</b>	107-111°C
<b>Optical Rotation</b>	$\alpha_D^{20} = -11.432^\circ$ C=1, MeOH
<b>Purity (HPLC)</b>	>97%
<b>Storage</b>	Store at 0-8 °C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Sashi Kumar**  
Quality Control Manager

## HPLC Conditions

<b>Column</b>	Beckman Ultrasphere 5 $\mu\text{m}$ , 250x4.6 mm, 150 $\text{\AA}$
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	15.033
<b>Sample preparation</b>	10 mg/2 ml 50% Acetonitrile/Water
<b>Injection volume, <math>\mu\text{l}</math></b>	5

**Method /Detection at, nm**

### **Gradient**

40-90% A(2)

A = 99.9% Water, 0.1% TFA

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

30 min, flow rate = 1.0 ml / min

**Fmoc40 / 254**