

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	03772
<b>Product Name</b>	Fmoc-D-Ser(Ac)-OH
<b>Lot Number</b>	3772-010904-1
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>19</sub> NO <sub>6</sub>
<b>Molecular Weight</b>	369.2
<b>Appearance</b>	White powder
<b>Melting Point</b>	155 – 158 °C
<b>Specific Rotation</b> [ $\alpha$ ] <sub>D</sub> <sup>20</sup>	+ 22.9 ° (c=1, DMF)
<b>Purity (HPLC)</b>	98 %
<b>Storage</b>	Store at -0°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>	15.050
<b>Sample preparation</b>	12 mg/1 mL 100% Acetonitrile/Water
<b>Injection volume, <math>\mu</math>l</b>	5

**Method /Detection at, nm**

**Fmoc 30/ 254**

**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