

# **Chem-Impex International, Inc.**

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## **Certificate of Analysis**

<b>Catalog Number</b>	02398
<b>Product Name</b>	<b>Fmoc-Cys(Bzl)-OH</b> Fmoc-S-benzyl-L-cysteine
<b>Lot Number</b>	02398-080706-1
<b>CAS Registry Number</b>	53298-33-2
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>23</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	433.53
<b>Melting Point</b>	126-128 °C
<b>Optical Rotation</b>	$\alpha_D^{25} = -40.07^\circ$ (c=1.0, MeOH)
<b>Purity (HPLC)</b>	99%
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

**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>	12.13
<b>Sample preparation</b>	2 mg/1 ml 100% Acetonitrile/Water
<b>Injection volume, <math>\mu</math>l</b>	5
<b>Method /Detection at, nm</b>	<b>Gradient</b>
	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**