

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

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## **Certificate of Analysis**

<b>Catalog Number</b>	07403
<b>Product Name</b>	<b>Fmoc-D-Phe(2-Br)-OH</b> Fmoc-2-bromo-D-phenylalanine Fmoc-o-bromo-D-Phe-OH
<b>Lot Number</b>	07403-062106-1
<b>CAS Registry Number</b>	220497-79-0
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>20</sub> BrNO <sub>4</sub>
<b>Molecular Weight</b>	466.30
<b>Melting Point</b>	151-161 °C
<b>Optical Rotation</b>	64.18 ° (1.0, DMF)
<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>	11.80
<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% 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

**Fmoc 40 / 254**