

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

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## **Certificate of Analysis**

<b>Catalog Number</b>	05011
<b>Product Name</b>	<b>Fmoc-D-Tic(OH)-OH</b>
<b>Lot Number</b>	05011-102405-1
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>21</sub> NO <sub>5</sub>
<b>Molecular Weight</b>	415.4
<b>Appearance</b>	White powder
<b>Melting Point</b>	194 – 196 °C
<b>Optical Rotation</b>	$\alpha_D^{20} = -29.12^\circ$ (C=0.55% in MeOH)
<b>Purity (HPLC)</b>	99 %
<b>Storage</b>	Store at 0-5°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 $\mu$ m, 250x4.6 mm, 150 Å
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	9.45
<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

**Fmoc40 / 254**