

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	10938
<b>Lot Number</b>	000127-1052917
<b>Product</b>	<b>(S)-2-(Fmoc-amino)-3-(2,2-dimethyl-4H-benzo[1,3]dioxin-6-yl)propionic acid</b>
<b>CAS Number</b>	252049-13-1
<b>Molecular Formula</b>	C <sub>28</sub> H <sub>27</sub> NO <sub>6</sub>
<b>Molecular Weight</b>	473.53

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/mL in dioxane)
<b>Elemental Analysis (Found)</b>	C = 70.8%; H = 5.9%; N = 2.9% Calc. as 0.4 H <sub>2</sub> O (1.50%)
<b>TLC System</b>	Chloroform/Methanol/Acetic acid/H <sub>2</sub> O (90:10:0.5:1) Benzene/Dioxane/Acetic Acid (95:25:4) Chloroform/Methanol/Acetic acid (90:8:2) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Analysis by Mass Spectra</b>	m = 473.1u
<b>Assay</b>	99.6% (Cth 71.02%, Cfd 70.76%)
<b>Purity by HPLC</b>	98.8 (TFA)
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

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



**Bala Kumar**  
Quality Control Manager