

# Chem-Impex International, Inc.

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## Product Specifications

**Catalogue Number** 04927

**Product** ***N<sup>α</sup>-Fmoc-N<sup>α'</sup>-Boc-diaminoacetic acid***

Boc- $\alpha$ -(Fmoc-amino)-DL-Gly-OH

*N*-Boc-*N'*-Fmoc-diaminoacetic acid

**CAS Number** 176039-39-7

**Molecular Formula** C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>6</sub>

**Molecular Weight** 412.44

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**Appearance** White powder

**Solubility** Clear, colorless solution (50 mg/mL in dioxane)

**Melting Point** 167 - 171 °C

**Elemental Analysis (Theory)** C = 64.1 ± 0.1%, H = 5.9 ± 0.1%, N = 6.8 ± 0.1%

**TLC System** Chloroform/Methanol/Acetic acid : 85/10/5  
Chloroform/Methanol/Acetic acid/Water : 70/42/0.5/10  
Plate : Silicagel 60 F<sub>254</sub>  
Detected by : UV, Ninhydrin, Chlorine-tolidine

**Purity by HPLC** ≥ 98%

**Purity by TLC** ≥ 99%

**ESI-MS** M = 412 ± 0.2 u

**Storage** Store at 0 - 8°C

**For Laboratory Use Only**