

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	06316
<b>Lot Number</b>	000129-10230
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-<i>N</i><sup>β</sup>-2,4-dinitrophenyl-L-2,3-diaminopropionic acid Solvate with Toluene</b> Fmoc-L-Dap(Dnp)-OH
<b>CAS Number</b>	140430-54-2
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>20</sub> N <sub>4</sub> O <sub>8</sub>
<b>Molecular Weight</b>	492.51

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<b>Appearance</b>	Yellow crystalline powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -24.4° (C=1 in DMF) Not corrected to net substance
<b>Residual Solvents</b>	Ethyl acetate, Acetonitrile, DIPE.
<b>Assay by titration</b>	93.9%
<b>Purity by HPLC</b>	99.6%
<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