

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	04973
<b>Product</b>	<b>N<sup>a</sup>-Fmoc-N<sup>b</sup>-allyloxycarbonyl-L-2,3-diaminopropionic acid</b>  Fmoc-L-Dap(Aloc)-OH
<b>CAS Number</b>	188970-92-5
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>22</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	410.53
<b>Appearance</b>	White to off-white or white crystalline powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	140 - 160 °C
<b>Water Content (Karl Fisher)</b>	≤ 1.0%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -21.5 ± 2 ° (C=2 in DMF) [α] <sub>D</sub> <sup>20</sup> = -10. ± 2° (C=1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1.0% (50 °C at 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 95%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**