

# *Chem-Impex International, Inc.*

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## *Product Specifications*

<b>Catalogue Number</b>	42548
<b>Product</b>	<b>(R)-Fmoc-2-amino-tetradecanoic acid</b> (2R)-2-(Fmoc-amino)tetradecanoic acid Fmoc-D-2Atd-OH
<b>CAS Number</b>	478706-39-7
<b>Molecular Formula</b>	C <sub>29</sub> H <sub>39</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	465.62

---

<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3g in 2mL DMF)
<b>Melting Point</b>	107 - 111 °C
<b>Water Content (Karl Fisher)</b>	≤ 2%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 9 ± 1 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 2% (50 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	≥ 99.5% (ee)
<b>Other Enantiomer</b>	≤ 0.5%
<b>Purity by HPLC</b>	≥ 97%
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**