

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	22701
<b>Lot Number</b>	000630-27559
<b>Product</b>	<b>15-[D(+)-Biotinylamino]-4,7,10,13-tetraoxapentadecanoic acid</b>
<b>CAS Number</b>	721431-18-1
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>37</sub> N <sub>3</sub> O <sub>8</sub> S
<b>Molecular Weight</b>	491.6

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +42.1° (C=1 in MeOH)
<b>Analysis by Mass Spectra</b>	M = 491.2
<b>Purity by HPLC</b>	98.3%
<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**