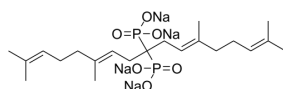


## Certificate of Analysis

<b>Product Name:</b>	Digeranyl bisphosphonate
<b>Cat. No.:</b>	CS-7184
<b>CAS No.:</b>	878143-03-4
<b>Batch No.:</b>	40972
<b>Chemical Name:</b>	Phosphonic acid, [(3E)-1-[(2E)-3,7-dimethyl-2,6-octadien-1-yl]-4,8-dimethyl-3,7-nonadien-1-ylidene]bis-, sodium salt (1:4)

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>34</sub> Na <sub>4</sub> O <sub>6</sub> P <sub>2</sub>
<b>Molecular Weight:</b>	536.40
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen
<b>Chemical Structure:</b>	



### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	>98.0%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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