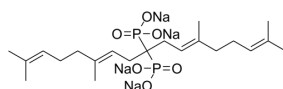


Certificate of Analysis

Product Name:	Digeranyl bisphosphonate
Cat. No.:	CS-7184
CAS No.:	878143-03-4
Batch No.:	38377
Chemical Name:	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

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



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	81.48%
Conclusion:	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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