

Certificate of Analysis

Product Name	Defibrotide sodium (Defitelio)
Catalog No.	V40915
Batch No.	V4091501

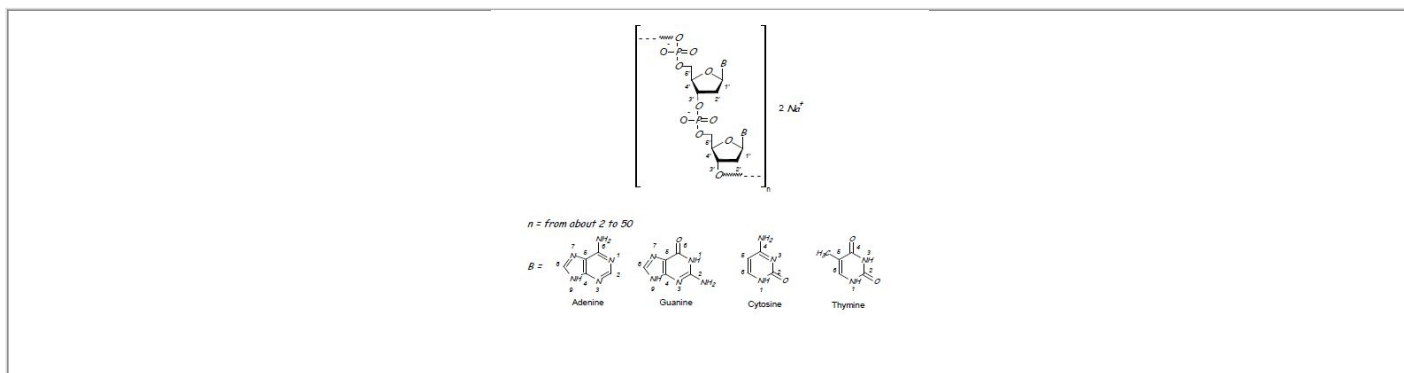
1. Physical and Chemical Properties

Appearance	powder
Molecular Formula	C ₂₀ H ₂₁ N ₄ O ₆ P
Molecular Weight	444.377
Purity	≥98.0%
CAS No.	83712-60-1
Production Date	2024-08-02

2. Analytical Data

Test Item	Specification	Result
HPLC	≥98%	≥98%
NMR	Consistent with structure	Confirms
Mass Spectrum	Consistent with structure	Confirms
Appearance		Ivory powder
UV identification		Amax259 nm , Amin231 nm
pH		7.7
Water content		6.3%
Molecular weight distribution		16300 Da 53.1% 1.6
Adenine		10.70%
Guanine		8.08%
Thymine		9.62%
Cytosine		7.00%
Nucleic Phosphorus		9.10%
Sodium content		7.05%
Free Nucleic Bases		0.026%
Ethanol		0.19%
Heavy Metals		<30ppm
Protein		0.011%

3. Structure



4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Products are for research use only • Not for human or veterinary use

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