

Certificate of Analysis

Product Name	Cyclic-di-GMP disodium (c-di-GMP disodium; cyclic diguanylate disodium; 5GP-5GP disodium)
Catalog No.	V74307
Batch No.	V7430701

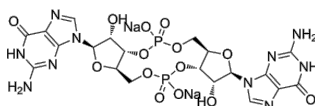
1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	C ₂₀ H ₂₅ N ₁₀ NaO ₁₄ P ₂
Molecular Weight	714.408395528793
Purity	=98.98%
CAS No.	2222132-40-1
Production Date	
Retest Date	2028-04-16

2. Analytical Data

Test Item	Specification	Result
HPLC	≥98%	=98.98%
NMR	Consistent with structure	Confirms

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
<p>Note: (1). This product requires protection from light (avoid light exposure) during transportation and storage. (2). Please store this product in a sealed and protected environment (e.g. under nitrogen), avoid exposure to moisture.</p>			

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