



## Certificate of Analysis

Product Name	cGAMP (Cyclic GMP-AMP)
Catalog No.	V5330
Batch No.	V533001

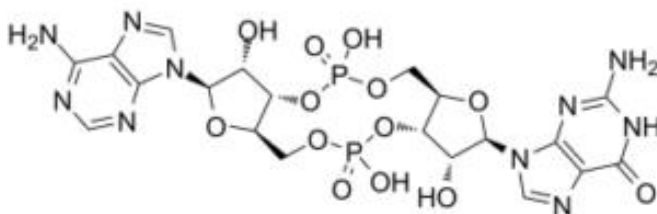
### 1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	$C_{20}H_{24}N_{10}O_{13}P_2$
Molecular Weight	674.41
Purity	$\geq 99.66\%$
CAS No.	849214-04-6
Production Date	11/16/2022

### 2. Analytical Data

HPLC	Indicates $\geq 99.66\%$ purity
NMR	Consistent with structure
Mass Spectrum	Consistent with structure

### 3. Structure



### 4. Storage Condition

Short term storage (weeks)	0 - 4 °C under dry condition for six weeks
Long term storage (months)	-20 °C under dry condition for three years

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