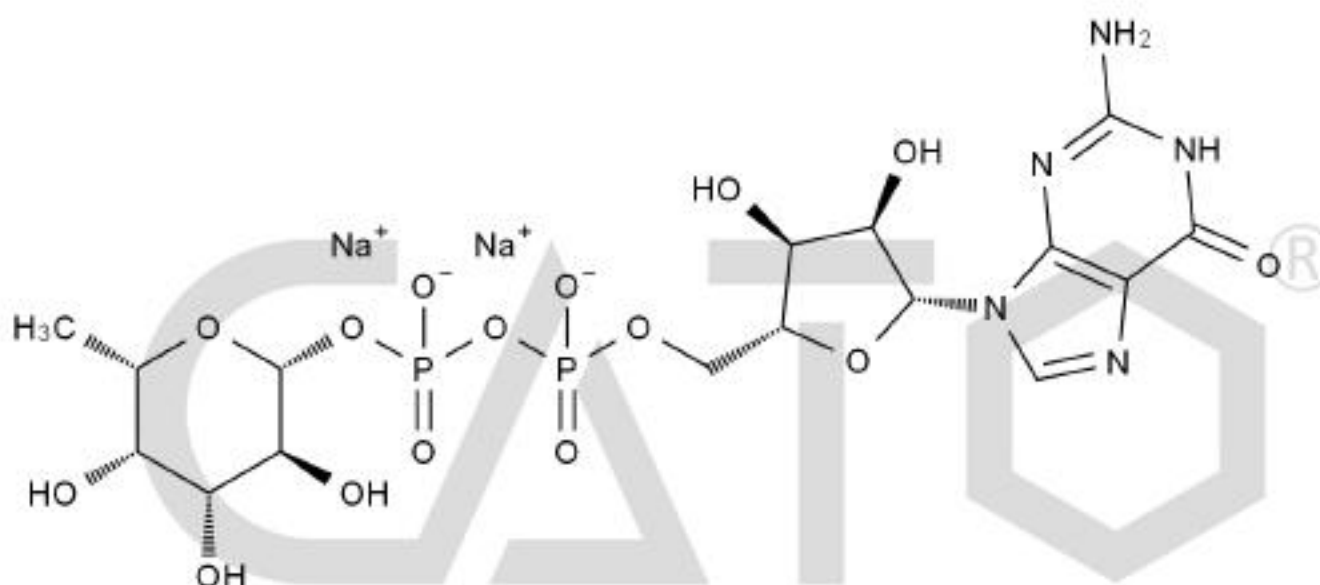


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                                    |                          |                                           |
|---------------------------|------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Guanosine 5'-diphospho-β-L-fucose Disodium Salt                                    | <b>Catalogue Number:</b> | C4X-20954                                 |
| <b>Synonyms:</b>          | N/A                                                                                | <b>Lot Number:</b>       | 0103-SA-7269                              |
| <b>CAS Number:</b>        | 148296-47-3                                                                        | <b>Expiry Date:</b>      | Jan 02, 28                                |
| <b>Molecular Formula:</b> | C <sub>16</sub> H <sub>23</sub> N <sub>5</sub> O <sub>15</sub> P <sub>2</sub> 2*Na | <b>Storage:</b>          | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 587.33 2*22.99                                                                     |                          |                                           |

### Chemical Structure:



| Test Items      | Method            | Results                  |
|-----------------|-------------------|--------------------------|
| Appearance      | Visual inspection | White to Off-White Solid |
| Identification: | LC&HNMR           | Confirmed                |
| Purity:         | HPLC              | 98.502%                  |

### Signature:

Prepared by:

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*Yuki*

Approved by General Manager:

*David*

Date: Jan 03, 24

Date: Jan 03, 24

Date: Jan 03, 24



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## Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Jan 03, 24 | First release.      |

