

# Certificate of Analysis

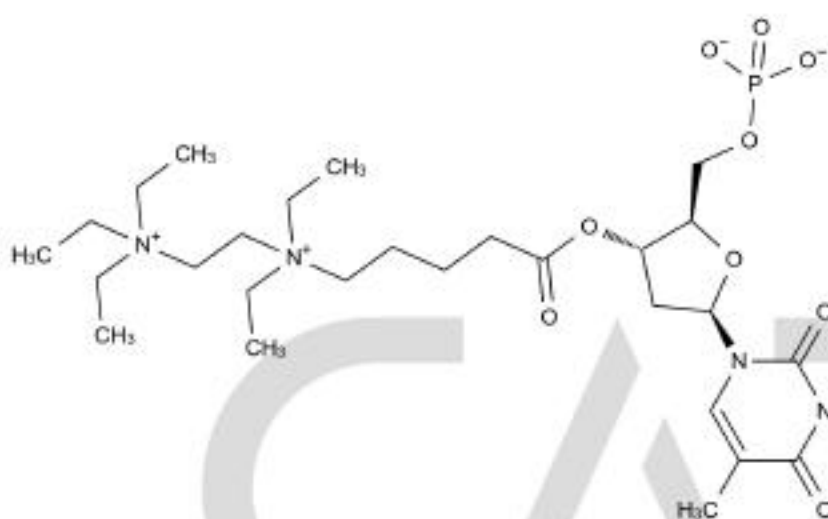
## Reference Material & Standard

|                           |                                                                                                  |                          |                                           |
|---------------------------|--------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | 5'-Thymidylic acid, 3'-[5-[diethyl[2-(triethylammonio)ethyl]ammonio]pentanoate], bis(inner salt) | <b>Catalogue Number:</b> | C1008984                                  |
| <b>Synonyms:</b>          | N/A                                                                                              | <b>Lot Number:</b>       | 1023-SA-7685                              |
| <b>CAS Number:</b>        | 101011-00-1                                                                                      | <b>Expiry Date:</b>      | Oct 22, 29                                |
| <b>Molecular Formula:</b> | C <sub>27</sub> H <sub>49</sub> N <sub>4</sub> O <sub>9</sub> P                                  | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 604.67                                                                                           |                          |                                           |

**Warning:**



**Chemical Structure:**



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.515%   |

**Signature:**

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Date: Oct 23, 25

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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           | Oct 23, 25 | First release.      |

