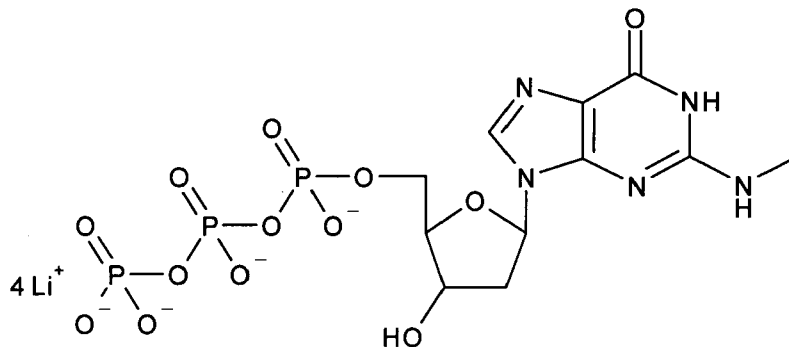


**N2-Methyl-2'-dGTP**
**N-2028**

 N<sup>2</sup>-Methyl-2'-deoxyguanosine-5'-Triphosphate

## Product Information

**Catalog # (Pack Size):** N-2028-1 (1 μmole)

N-2028-5 (5 μmole)

N-2028-10 (10 μmole)

N-2028-BK (Bulk Amount)

**Packaged As:** 100 mM in H<sub>2</sub>O

**Recommended Storage:** -20°C or below

**Manufacturing Lot #:** T1-BGK01A

**Extinction Coefficient:** 14,800 Lmol<sup>-1</sup>cm<sup>-1</sup> @ 254 nm

**Molecular Weight:** 521.2 g/mole (free acid)

**Molecular Formula:** C<sub>11</sub>H<sub>18</sub>N<sub>5</sub>O<sub>13</sub>P<sub>3</sub> (free acid)

**Final Salt Form:** Li<sup>+</sup>
**Handling:** Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions.

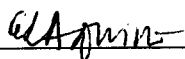
## QC Analysis

|                    | Method of Analysis:       | Results:  |
|--------------------|---------------------------|-----------|
| Manufacturing Lot: | <u>AX-HPLC</u>            | 95.6%     |
|                    | <u><sup>31</sup>P NMR</u> | 100%      |
|                    | <u>Mass Spec</u>          | 521.2 amu |
|                    | <u><sup>1</sup>H NMR</u>  | Passes    |
|                    | <u>UV Spec</u>            | Passes    |

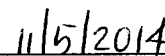
## QA Approval

Approved By:

QA



Date



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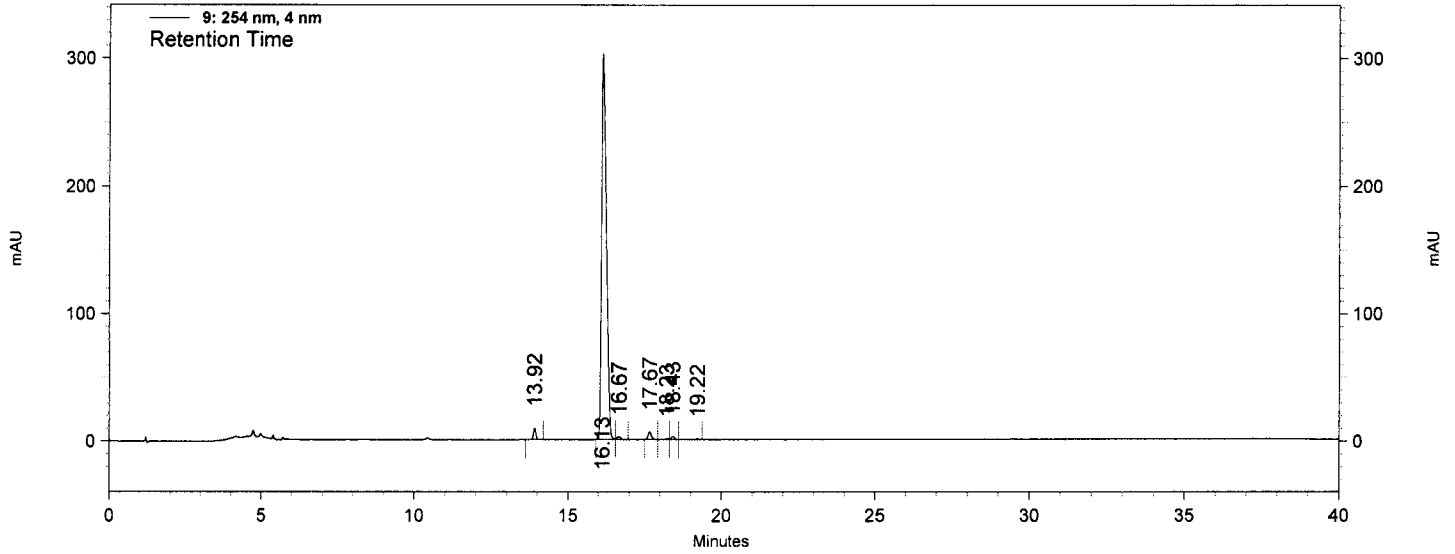
The Modified Nucleic Acid Experts

|                   |          |
|-------------------|----------|
| <b>Final Data</b> |          |
| Released By       | JD       |
| Date              | 10/29/14 |

AX-HPLC : QTP-2021      Revision: 002

Sample ID : N-2028 T1-BGK01A  
Injection : 15 µL  
Acquired : 10/28/2014 8:53:22 PM

\\10.1.1.108\shared\QC\HPLC Data\2014\Q11014\QCE\QCE1014-0075.dat



9: 254 nm, 4 nm Results

| Retention Time | Area           | Area Percent  |
|----------------|----------------|---------------|
| 13.92          | 53656          | 1.56          |
| 16.13          | 3296029        | 95.63         |
| 16.67          | 15920          | 0.46          |
| 17.67          | 48575          | 1.41          |
| 18.23          | 6470           | 0.19          |
| 18.43          | 18497          | 0.54          |
| 19.22          | 7662           | 0.22          |
| <b>Totals</b>  | <b>3446809</b> | <b>100.00</b> |