SETAREH BIOTECH
LITE OF INNOVATION

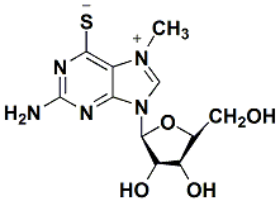
# Certificate of Analysis
(C of A)

| | | | |
|---|---|---|---|
| Name: | **MESG**<br>**7-Methyl-6-thioguanosine** | | |
| Catalog Number: | 6764 | Lot: | 51279 |
| CAS Number: | 55727-10-1 | Formula: | $C_{11}H_{15}N_5O_4S$ |
| Molecular Weight: | 313.33 (g/mol) | | |

| | Observed | Standard |
|---|---|---|
| HPLC Purity: | 93% at 254 nm | ≥ 85% at 254 nm |
| **Absorption (Buffer pH 7)** | | |
| Wavelength ($\lambda_{max}$): | 332 nm | 333 ± 3 nm |
| Extinction: | 16,600 $cm^{-1}M^{-1}$ | 17,000 ± 1,500 $cm^{-1}M^{-1}$ |
| TLC Purity: | > 95% | ≥ 90% |
| TLC System: | 80:20 Acetonitrile / Water | |
| Storage: | Freeze: Store at -5 to -30°C (**F**), Protect from moisture (**D**), Protect from light (**L**) | |

| | | | | | |
|---|---|---|---|---|---|
| Production Lot: | 11347 | Release: | 03-Sep-2019 | Expiration: | 03-Sep-2029 |

Structure:




This data reflects the accuracy of the analysis of the subject lot
For research use only. Not for human use. No animal source.
This material is chemically synthesized and manufactured in the USA

**Approved by:** Dianna M Wineinger **Date:** 03-Sep-2019
Analytical Services Manager

**Signature:** Dianna M. Wineinger

Setareh Biotech, LLC, 710 Commercial St. Ste 2 Eugene, OR 97402-5348 USA
Phone: 541-515-6560 / Fax: NA e-mail: info@setarehbiotech.com