

Certificate of Analysis						
Name	MESG 7-Methyl-6-thioguanosine					
Catalog Number	6764	Lot: 52061				
CAS Number	55727-10-1	Formula: C <sub>11</sub> H <sub>15</sub> N <sub>5</sub> O <sub>4</sub> S				
Molecular Weight	313.33 (g/mol)					
	Observed		Standard			
HPLC Purity	93% at 254 nm		≥ 85% at 2	85% at 254 nm		
Absorption (Buffer pH 7)						
Wavelength ( $\lambda_{max}$ )	332 nm		333 ± 3 nm			
Extinction	16,600 cm <sup>-1</sup> M <sup>-1</sup>	n⁻¹M⁻¹		17,000 ± 1,500 cm <sup>-1</sup> M <sup>-1</sup>		
TLC Purity	> 95%		≥ 90%			
TLC System	80:20 Acetonitrile / Water					
Storage	Freeze: Store at -5 to -30°C ( <b>F</b> ), Protect from moisture ( <b>D</b> ), Protect from light ( <b>L</b> )					
Production Lot: 16	245 Release:	14-Dec-20	23 Exj	piration:	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: Nabi		D	ate: 14-Dec	c-2023		
Analytical Services Manager						
Signature: NACA						