

Certificate of Analysis						
Name:	MESG 7-Methyl-6-thioguanosine					
Catalog Number:	6764			Lot:	52387	
CAS Number:	55727-	-10-1	Formula: C <sub>1</sub>		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 254 nm		
Absorption (Buffer pH 7)						
Wavelength (λ <sub>max</sub> ):	332 nm			333 ± 3 nm		
Extinction:	16,600 cm <sup>-1</sup> M <sup>-1</sup>			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: 162	245	Release:	14-Dec-20	23 Exp	oiration:	14-Dec-2033
Structure:	S N H₂N N	CH <sub>2</sub> OH				

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 Date: 14-Dec-2023

Analytical Services Manager

Signature: Nala