



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-280944
Lot Number: SAMPLE
Product Name: Luminol-13C4
CAS Number: 521-31-3 (unlabeled)
Molecular Formula: $C_8(^{13}C)_4H_7N_3O_5$
Molecular Weight: 181.13
Native Source: Synthetic

Test	Specification	Result
Appearance		Pale yellow solid
Identification (1H -NMR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.2%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		> 300 °C
Solubility		Chloroform, DMSO
Carbon Content	53.05%	53.09%
Hydrogen Content	3.90%	4.02%
Nitrogen Content	23.20%	23.18%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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