

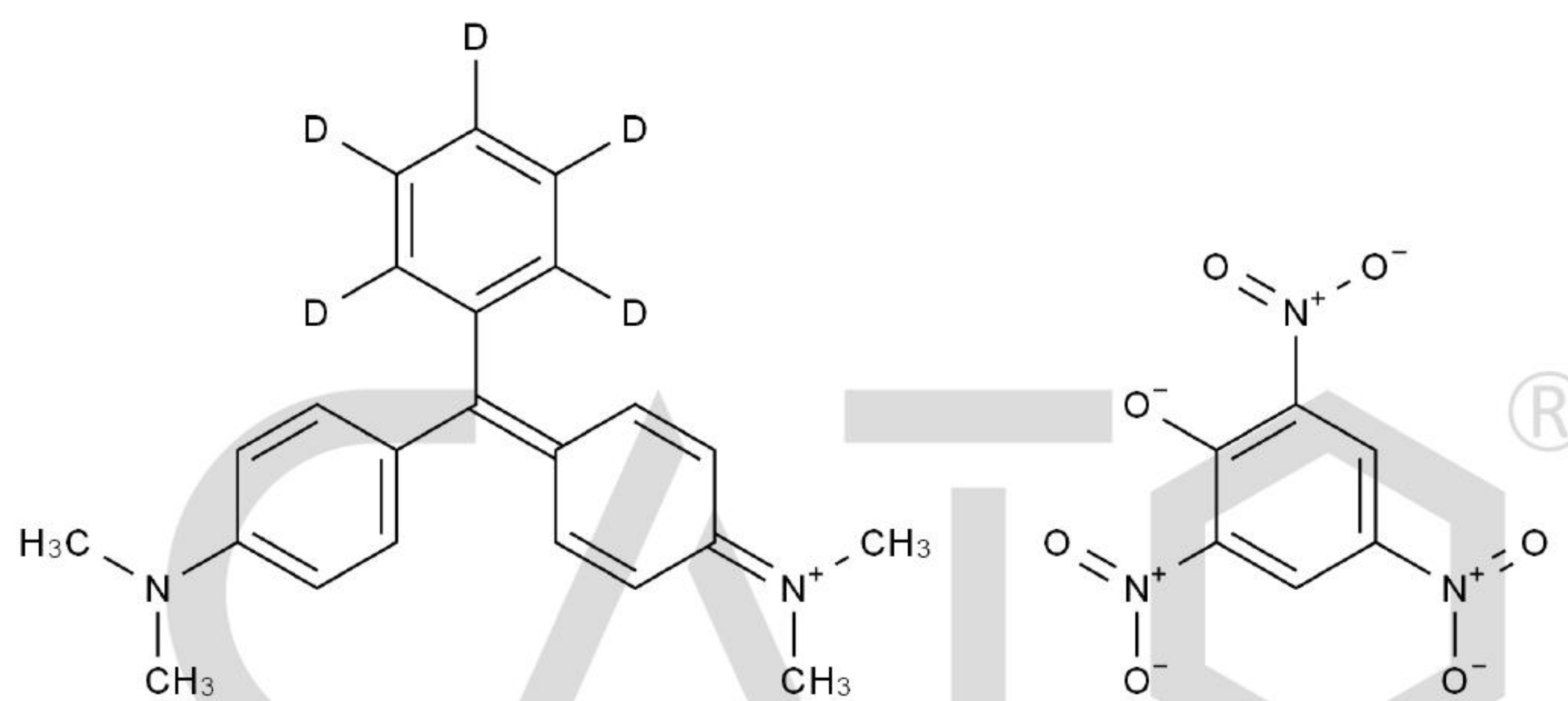
Certificate of Analysis

Reference Material & Standard

Product Name:	Malachite Green-D5 picrate	Catalogue Number:	CCAD300587
Synonyms:	N/A	Lot Number:	0816-RC-0064
CAS Number:	1258668-21-1	Expiry Date:	Mar 18, 2029
Molecular Formula:	C ₂₃ H ₂₀ D ₅ N ₂ C ₆ H ₂ N ₃ O ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	334.49 228.10	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Red Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.4%
Assay	qNMR	98.0%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 19, 2025

Date: Mar 19, 2025

Date: Mar 19, 2025

