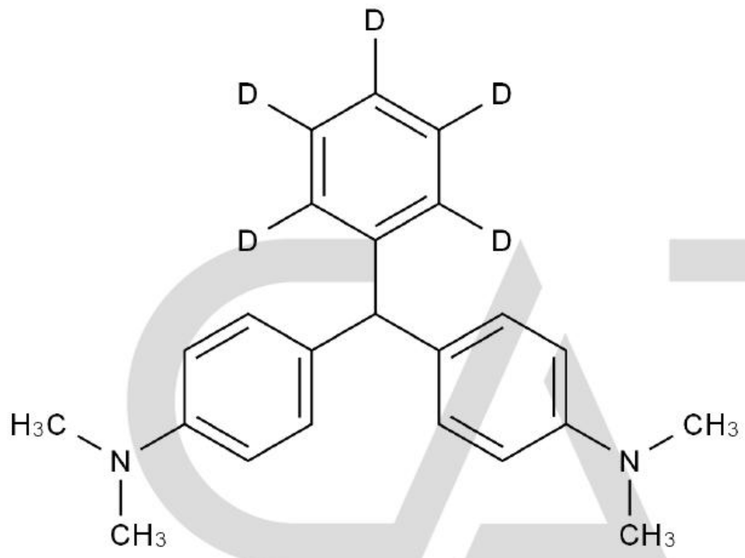
Certificate of Analysis

Reference Material & Standard

Product Name:	Leuco Malachite Green-d5	**Catalogue Number:**	CCAD301163
Synonyms:	N/A	**Lot Number:**	1106-RH-0049
CAS Number:	947601-82-3	**Expiry Date:**	Sep 02, 2029
Molecular Formula:	$C_{23}H_{21}D_5N_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	335.50	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Light Green Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	100.0%
Isotopic Purity		99.35%(D5: 98.4%; D3: 1.5%; D2: 0.1%)
Uncertainty		±0.1%

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Comment:

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: Lisa Date: Nov 13, 2026

Reviewed by: Hinlam Date: Nov 13, 2026

Approved by General Manager: David Date: Nov 13, 2026

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