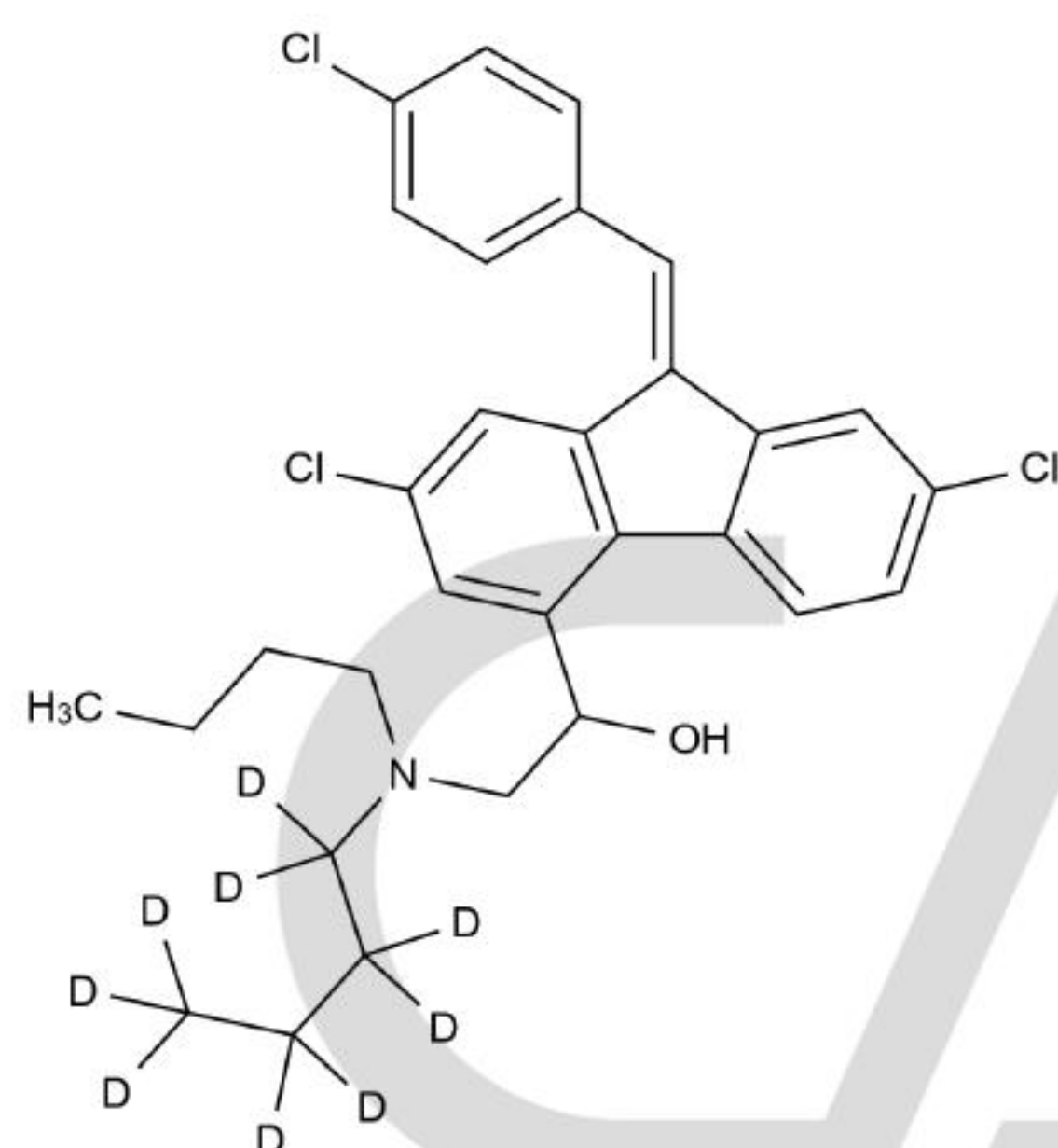


Certificate of Analysis

Reference Material & Standard

Product Name:	Lumefantrine-d9 (Benflumetol-d9)	Catalogue Number:	C4X-242613
Synonyms:	N/A	Lot Number:	0520-RH-0020
CAS Number:	2477594-24-2	Expiry Date:	May 10, 2030
Molecular Formula:	C ₃₀ H ₂₃ D ₉ Cl ₃ NO	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	538.00	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	98.8021%
Isotopic Purity		99.5%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.5% n-hexane
Assay		98.2%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: May 20, 2026

Date: May 21, 2026

Date: May 21, 2026



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