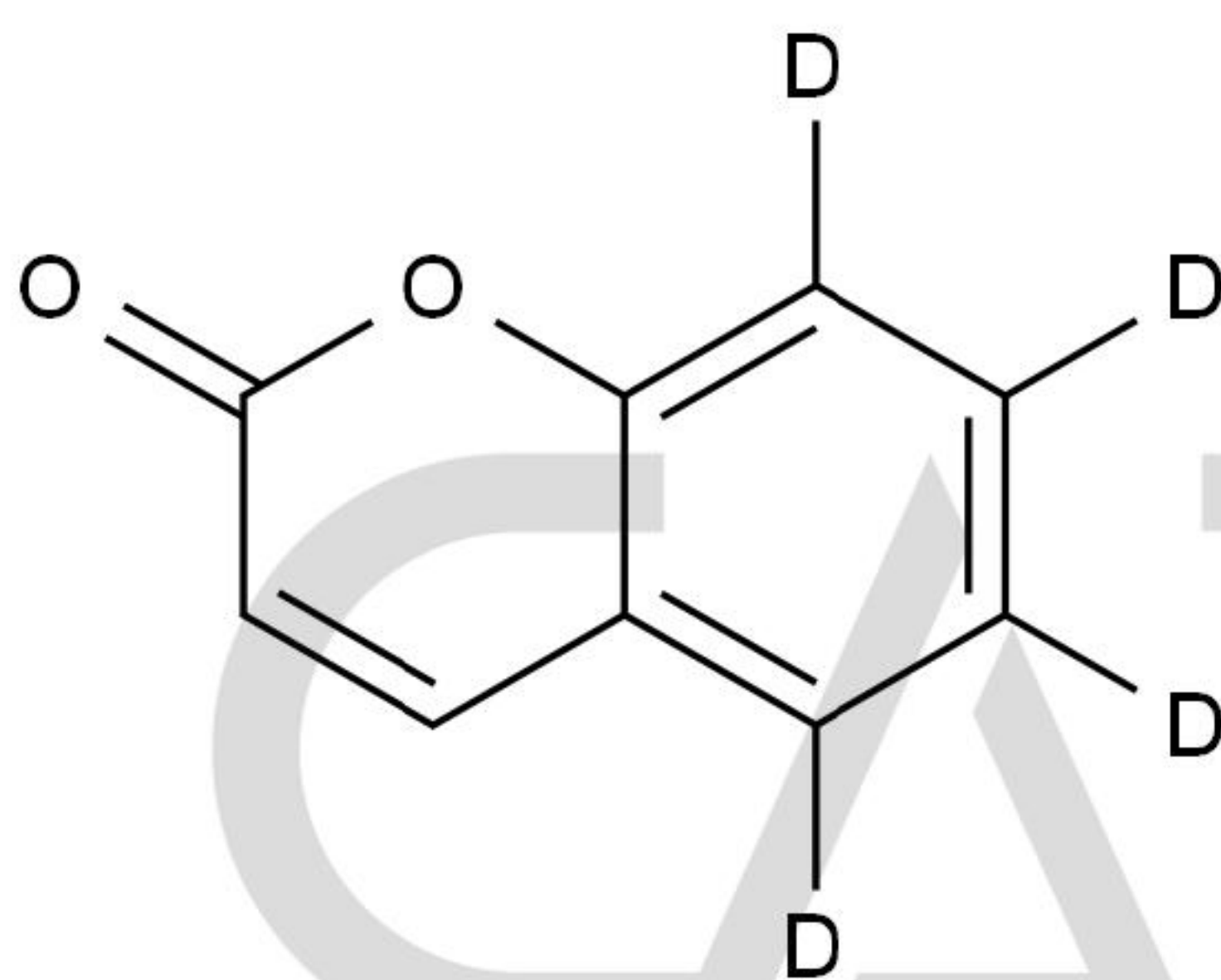


Certificate of Analysis

Reference Material & Standard

Product Name:	Coumarin-d4	Catalogue Number:	CCFD201197
Synonyms:	N/A	Lot Number:	0328-RD-0046
CAS Number:	185056-83-1	Expiry Date:	Mar 13, 2027
Molecular Formula:	C ₉ H ₂ D ₄ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	150.17	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	100.0%
Isotopic Purity		99.3%
Uncertainty		±2.0%

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:

Xenia

Reviewed by:

Cady

Approved by General Manager:

David



Date: Mar 14, 2022

Date: Mar 29, 2022

Date: Mar 29, 2022

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