



CERTIFICATE OF ANALYSIS

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1. Identification

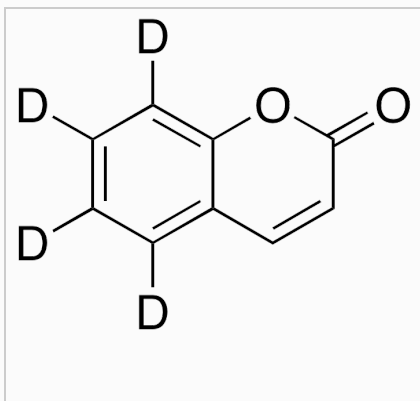
Catalogue Number: C755382

CAS Number: 185056-83-1

Product: Coumarin-d4

Synonym: 2H-1-Benzopyran-2-one-5,6,7,8-d4; 1,2-Benzopyrone-d4; 5,6-Benzo-2-pyrone-d4; Benzo- α -pyrone-d4; Coumarinic Anhydride-d4; NSC 8774-d4; Rattex-d4; cis-o-Coumarinic Acid-d4 Lactone; o-Hydroxycinnamic Acid-d4 Lactone;

Structure:



Molecular Formula:

C₉H₂D₄O₂

Molecular weight:

150.15

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

Lot Number: 2-APD-82-3

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Toxic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.3%
HPLC Purity	Report Result	99.37% (275 nm)

Additional Information:

TLC Conditions: SiO₂: Hexanes : Ethyl Acetate = 7 : 3; Visualized with UV and KMnO₄; Single Spot, R_f = 0.50. Normalized Intensity: d0 = 0.04%, d1 = 0.05%, d2 = 0.11%, d3 = 2.48%, d4 = 97.32%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm$ 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Eric Beaton	My Nguyen	9/10/2019	9/8/2026

