

1. Identification

Catalogue Number

Q509502

Lot Number

2024-TCO-094

Product Name

Quercetin-d3 (Major)

Synonyms

2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4H-1-benzopyran-4-one Dihydrate-d3;
3,3',4',5,7-Pentahydroxyflavone Dihydrate-d3; 3,3',4',5,7-Pentahydroxyflavone Dihydrate-d3;

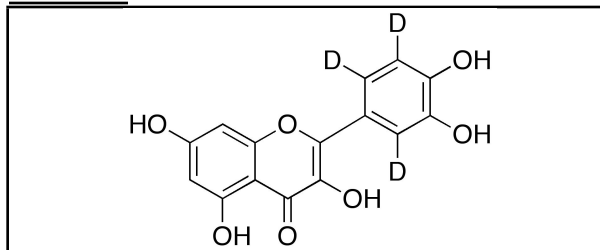
CAS Number

263711-79-1

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₅H₇D₃O₇

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

305.26

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Light Yellow to Dark Green Solid

Results

Light Yellow to Dark Green Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 53.99, %H: 4.39

HPLC Purity

>95%

96.20% (260 nm)

MS

Conforms to Structure

Conforms

Additional Information

Normalized Intensity: d₀ = 0.15%, d₁ = 0.80%, d₂ = 0.00%, d₃ = 78.17%, d₄ = 20.89%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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



Vijaya Annapareddy

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Christina Gouliaras

Quality Assurance Associate

Test Date

1/3/2025

Retest Date

1/1/2029