

1. Identification

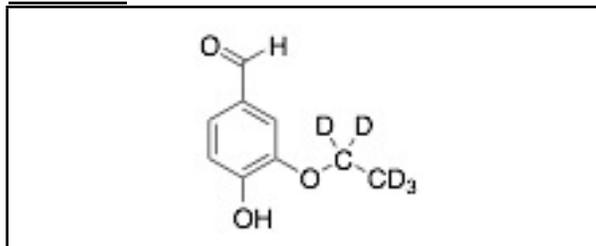
Catalogue Number

E932102

Lot Number

1-MTL-15-1

Structure



Product Name

Ethyl-d5 Vanillin

Synonyms

3-Ethoxy-4-hydroxybenzaldehyde-d5; 2-Ethoxy-4-formylphenol-d5; 3-Ethoxy-4-hydroxybenzaldehyde-d5; 3-Ethylvanillin-d5; 4-Hydroxy-3-ethoxybenzaldehyde-d5; Arovanillon-d5; Bourbonal-d5; Ethavan-d5; Ethovan-d5; Ethylprotal-d5; NSC 1803-d5; NSC 67240-d5; Protocatechuic Aldehyde Ethyl Ether-d5; Quantrovanil-d5; Rhodiarome-d5; Vanillal-d5; Vanilrom-d5;

CAS Number

1335401-74-5

Solubility

Chloroform (Slightly), Ethyl Acetate (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₉H₅D₅O₃

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

171.2

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 63.46, %H: 5.85

HPLC Purity

>95%

99.66% (235 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.3%

Additional Information

Normalized Intensity: d₀ = 0.14%, d₁ = 0.00%, d₂ = 0.02%, d₃ = 0.06%, d₄ = 2.57%, d₅ = 97.22%

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

Meenakshi Sharma

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Quality Assurance Associate

Test Date

2/27/2024

Retest Date

2/25/2028