

1. Identification

Catalogue Number

D243900

Lot Number

712284065-1-1

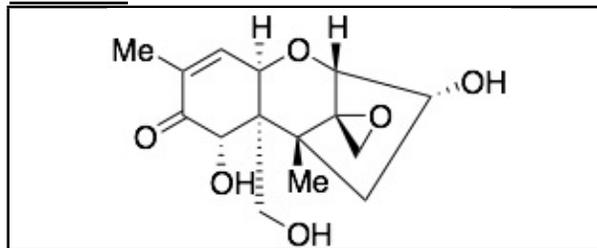
Product Name

Deoxynivalenol

Synonyms

(3 α ,7 α)-12,13-Epoxy-3,7,15-trihydroxytrichothec-9-en-8-one; 4-Deoxynivalenol; 4-Desoxynivalenol; DON; Dehydronivalenol; NSC 269144; Vomitoxin;

Structure



CAS Number

51481-10-8

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₅H₂₀O₆

Source of Product

N/A

Long Term Storage Conditions

-20°C

Molecular Weight

296.32

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Beige Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 60.94, %H: 6.75

HPLC Purity

>95%

97.37% (220 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+5.6° (c = 0.1, Ethanol)

Additional Information

N/A

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

Jessica Wang Chi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Nicole Badiali

Quality Assurance Associate

Test Date

8/22/2025

Retest Date

8/20/2029