

**1. Identification**Catalogue Number

Z270503

Lot Number

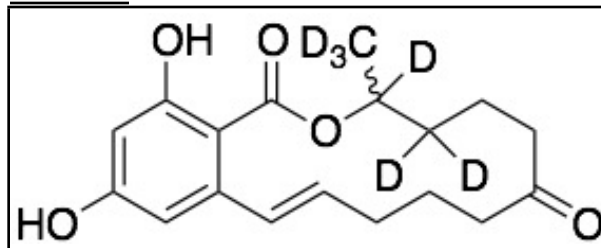
2-HMA-21-1

Product Name

rac Zearalenone-d6 (major)

Synonyms

(+/-)-3,4,5,6,9,10-Hexahydro-14,16-dihydroxy-3-methyl-1H-2-benzoxacyclotetradecin-1,7(8H)-dione-d6; (+/-)-Zearalenone-d6; (+/-)-Mycotoxin F2-d6; (+/-)-Toxin F2-d6; trans-Zearalenone-d6; FES-d6; ZON-d6;

StructureCAS Number

1185236-04-7

Solubility

Chloroform (Slightly), DMSO
(Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula $C_{18}H_{16}D_6O_5$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

324.4

Purity

97%

2. Warnings**3. Analytical Information**Tests

Appearance

Specifications

White to Pale Beige Solid

Results

Off-White to Pale Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 66.44, %H: 6.64

HPLC Purity

Report Result

98.89% (240 nm)

MS

Conforms to Structure

Conforms

Additional Information

Normalized Intensity: $d_0 = 0.03\%$, $d_1 = 0.03\%$, $d_2 = 0.01\%$, $d_3 = 0.54\%$, $d_4 = 5.14\%$, $d_5 = 31.20\%$, $d_6 = 63.05\%$

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. SignaturesReviewed by

Henry Tieu

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Quality Assurance Associate

Test Date

8/17/2023

Retest Date

8/15/2027