

## 1. Identification

Catalogue Number

M542522

Lot Number

5-WEN-45-4

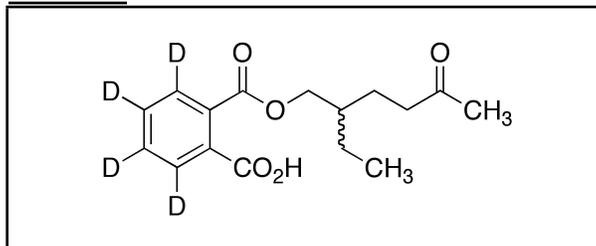
Product Name

rac Mono(2-ethyl-5-oxohexyl) Phthalate-d4

Synonyms

1,2-Benzene-3,4,5,6-d4-dicarboxylic Acid Mono(2-ethyl-5-oxohexyl) Ester;

Structure



CAS Number

679789-44-7

Solubility

Chloroform (Slightly), Methanol (Sparingly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>16</sub>H<sub>16</sub>D<sub>4</sub>O<sub>5</sub>

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

296.35

Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

Tests

Appearance

Specifications

Colourless to Yellow Oil to Thick Oil

Results

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

95.74% (200 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.9%

Additional Information

Normalized Intensity: d<sub>0</sub> = 0.01%, d<sub>1</sub> = 0.02%, d<sub>2</sub> = 0.26%, d<sub>3</sub> = 4.01%, d<sub>4</sub> = 95.70%

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

*A. Vijaya*

Vijaya Annapareddy  
Product Quality Specialist

Reviewed by

*Toni Rantanen*

Toni Rantanen  
Manager, Quality Assurance

C of A Approved by

*Chanell Chu*

Chanell Chu  
Quality Assurance Associate

Test Date

11/5/2024

Retest Date

11/3/2028