

## 1. Identification

### Catalogue Number

M791000

### Lot Number

13-DPP-163-1

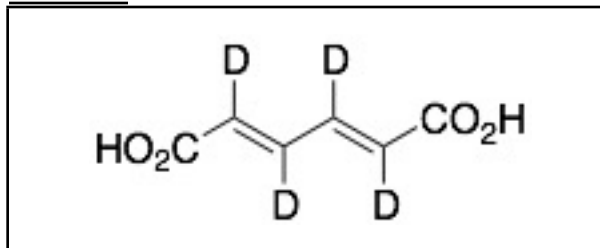
### Product Name

trans,trans-Muconic Acid-d4

### Synonyms

Muconic acid-d4, trans,trans-Muconic Acid-d4, trans-trans-Muconic acid-d4, trans,trans-Muconic-d4 Acid, ;(2E,4E)-2,4-Hexadienedioic Acid-d4; (E,E)-Muconic acid-d4; NSC 66486-d4; trans,trans-2,4-Hexadienedioic Acid-d4;

### Structure



### CAS Number

1185239-59-1

### Solubility

DMSO (Slightly), Methanol (Slightly, Heated)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C6 H2 D4 O4

### Source of Product

Synthetic

### Long Term Storage Conditions

-20°C

### Molecular Weight

146.13

### Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

### Tests

Appearance

### Specifications

White to Brown Solid

### Results

Pale Brown Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

99.34% (265 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.2%

### Additional Information

Normalized Intensity: d<sub>0</sub> = 0.02%, d<sub>1</sub> = 0.04%, d<sub>2</sub> = 1.20%, d<sub>3</sub> = 4.76%, d<sub>4</sub> = 93.99%

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



Sarbjit Kaur

Product Quality Specialist

### Reviewed by



Toni Rantanen

Manager, Quality Assurance

### C of A Approved by



Chanell Chu

Jr. Quality Assurance

### Test Date

4/18/2023

### Retest Date

4/16/2030