



## 1. Identification

**Catalogue Number**

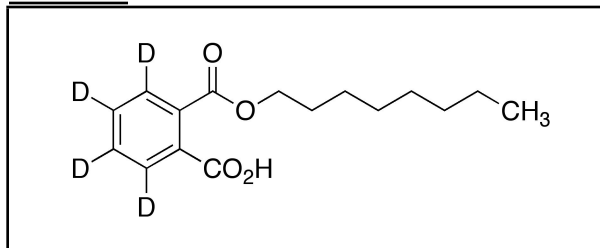
M566652

**Lot Number**

3-EJR-47-2

**Product Name**

Monooctyl Phthalate-d4

**Structure****Synonyms**

1,2-Benzenedicarboxylic Acid 1-Octyl Ester-d4; Phthalic Acid Monooctyl Ester-d4; Hydrogen Octyl Phthalate-d4; Mono-n-octyl Phthalate-d4; NSC 4639-d4; Octyl Hydrogen Phthalate-d4; MOP-d4;

**CAS Number**

1398065-74-1

**Solubility**

Chloroform (Slightly), Methanol (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

**Molecular Formula** $C_{16}H_{18}D_4O_4$ **Source of Product**

Synthetic

**Long Term Storage Conditions**

4°C

**Molecular Weight**

282.37

**Purity**

&gt;95%

## 2. Warnings

Not Determined

## 3. Analytical Information

| Tests              | Specifications                            | Results              |
|--------------------|-------------------------------------------|----------------------|
| Appearance         | Colourless to Off-White Oil to Semi-Solid | Off-White Semi-Solid |
| NMR                | Conforms to Structure                     | Conforms             |
| Elemental Analysis | Conforms                                  | %C: 66.02, %H: 7.75  |
| HPLC Purity        | >95%                                      | 96.34% (230 nm)      |
| MS                 | Conforms to Structure                     | Conforms             |
| Isotopic Purity    | >95%                                      | 99.2%                |

**Additional Information**

Normalized Intensity:  $d_0 = 0.00\%$ ,  $d_1 = 0.01\%$ ,  $d_2 = 0.07\%$ ,  $d_3 = 2.89\%$ ,  $d_4 = 97.04\%$

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                                      | Reviewed by                                 | C of A Approved by                         | Test Date  | Retest Date |
|--------------------------------------------------|---------------------------------------------|--------------------------------------------|------------|-------------|
|                                                  |                                             |                                            | 10/23/2024 | 10/21/2028  |
| Vijaya Annapareddy<br>Product Quality Specialist | Toni Rantanen<br>Manager, Quality Assurance | Chanell Chu<br>Quality Assurance Associate |            |             |