

## 1. Identification

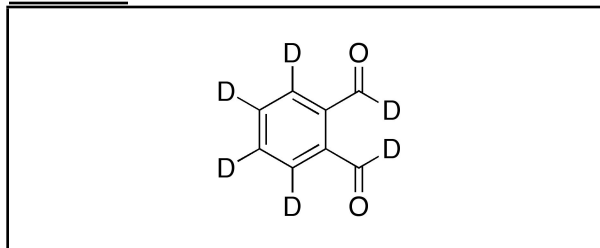
**Catalogue Number**

P384202

**Lot Number**

10-JES-46-1

**Structure**



**Product Name**

o-Phthalaldehyde-d6

**Synonyms**

1,2-Benzenedicarboxaldehyde-d6; 1,2-Diformylbenzene-d6; 1,2-Phthalaldehyde-d6; 2-Formylbenzaldehyde-d6; 2-Phthalaldehyde-d6; Benzene-1,2-dicarbaldehyde-d6; CIDEX OPA-d6; NSC 13394-d6; OP 100S-d6; OP 100SF-d6; Phthalic Aldehyde-d6; Phthalic Dialdehyde-d6; Phthalylidicarboxaldehyde-d6; Phtharal-d6; o-Benzenedicarbaldehyde-d6; o-Diformylbenzene-d6;

**CAS Number**

68234-47-9

**Solubility**

Chloroform (Slightly), Methanol (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

**Molecular Formula**

C<sub>8</sub>D<sub>6</sub>O<sub>2</sub>

**Source of Product**

Synthetic

**Long Term Storage Conditions**

4°C, Inert atmosphere

**Molecular Weight**

140.17

**Purity**

>95%

## 2. Warnings

Air Sensitive

## 3. Analytical Information

**Tests**

Appearance

**Specifications**

Pale Yellow to Pale Beige Sticky Solid to Solid

**Results**

Pale Yellow to Pale Beige Sticky Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

97.83% (220 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.2%

**Additional Information**

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 0.04%, d<sub>2</sub> = 0.13%, d<sub>3</sub> = 0.74%, d<sub>4</sub> = 0.53%, d<sub>5</sub> = 6.99%, d<sub>6</sub> = 91.56%

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**

Jessica Wang Chi

Product Quality Specialist

**Reviewed by**

Toni Rantanen

Manager, Quality Assurance

**C of A Approved by**

Sadaf Samadi

Quality Assurance Associate

**Test Date**

3/26/2025

**Retest Date**

3/24/2029