

**1. Identification**Catalogue Number

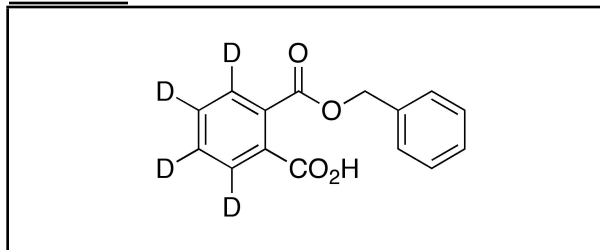
M524902

Lot Number

4-SGP-9-1

Product Name

Monobenzyl Phthalate-d4

StructureSynonyms

1,2-(Benzene-d₄)dicarboxylic Acid 1-(Phenylmethyl) Ester; 1,2-(Benzene-d₄)dicarboxylic Acid Mono (phenylmethyl) Ester; Phthalic Acid-d₄ Benzyl Ester; 2-[(Benzyloxy-d₄)carbonyl]benzoic Acid; Benzyl Hydrogen Phthalate-d₄; MBzP-d₄; NSC 402008-d₄;

CAS Number

478954-83-5

Solubility

Chloroform (Slightly), DMSO
(Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular FormulaC₁₅H₈D₄O₄Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

260.28

Purity

>95%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

White to Off-White Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

98.47% (230 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.7%

Additional Information

Normalized Intensity: d₀ = 0.09%, d₁ = 0.04%, d₂ = 0.07%, d₃ = 4.48%, d₄ = 95.32%

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. SignaturesReviewed by

R. Reddy

Reviewed by

Toni Rantanen

C of A Approved by

Chanell Chu

Test Date

1/31/2023

Retest Date

1/29/2027

Swathi Reddy

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Jr. Quality Assurance