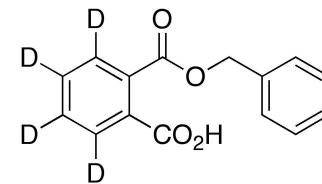


CERTIFICATE OF ANALYSIS**1. Identification**

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-[(Benzylloxy-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 Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	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 $\pm 2\%$. 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			1/31/2023	1/29/2027
Swathi Reddy Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Jr. Quality Assurance		