

Certificate of Analysis

Monoisobutyl phthalic acid-d₄

Cat. No.: HY-113220S
CAS No.: 1219802-26-2
Batch No.: 265070

Chemical Name: 1,2-Benzene-3,4,5,6-d4-dicarboxylic acid, 1-(2-methylpropyl) ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{12}H_{10}D_4O_4$ Molecular Weight: 226.26

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

Chemical Structure:

$$\begin{array}{c} D & O \\ O & O \\ D & O \end{array}$$

ANALYTICAL DATA

Appearance: White to off-white (Solid)

¹ H NMR Spectrum: Consistent with structure

Purity (HPLC): 99.03%
Isotopic Enrichment: 99.51%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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