



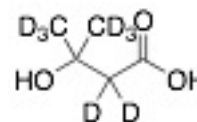
1. Identification

Catalogue Number

H943607

Lot Number

6-ABS-8-1

StructureProduct Name

b-Hydroxyisovaleric Acid-d8

Synonyms

3-Hydroxy-3-methylbutanoic Acid-d8; 3-Hydroxy-3-methylbutyric Acid-d8; 3-Hydroxyisovaleric Acid-d8; β-Hydroxy-β-methylbutyric Acid-d8

CAS Number

123743-99-7

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_5H_2D_8O_3$ Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

126.18

Purity

97%

2. Warnings

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Yellow Oil

Results

Clear Colourless to Pale Yellow Oil

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 48.08, %H: 8.45

GC

Report Result

97.34%

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.6%

Additional InformationNormalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.00\%$, $d_2 = 0.02\%$, $d_3 = 0.00\%$, $d_4 = 0.02\%$, $d_5 = 0.17\%$, $d_6 = 1.15\%$, $d_7 = 8.13\%$, $d_8 = 90.51\%$

Contains: ~1.6% Diethyl Ether

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

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Jr. Quality Assurance

Test Date

9/7/2022

Retest Date

9/5/2026