



CERTIFICATE OF ANALYSIS

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1. Identification

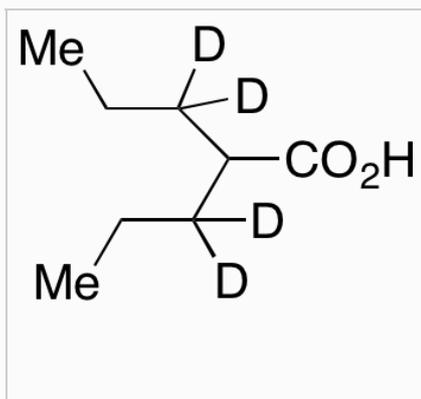
Catalogue Number: V094753

CAS Number: 87745-17-3

Product: Valproic Acid-d4

Synonym: 3,3,3',3'-Tetradeuterovalproic Acid; 2-(Propyl-1,1-d2)-pentanoic-3,3-d2 Acid

Structure:



Molecular Formula:

C₈H₁₂D₄O₂

Molecular weight:

148.24

Source of Product:

Synthetic

Solubility:

Aqueous Base (Slightly),
Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 21-ZEA-144-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 65.17, %H: 10.97
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.1% (d0 = 0.06%)
GC	Report Result	99.39%

Additional Information:

Material was manufactured at CDN Isotopes, an affiliate of TRC

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

Nicole Yip

Reviewed By

Toni Rantanen

C of A Approved By

Chanell Chu

Test Date

9/2/2021

Retest Date

8/31/2025