

**1. Identification**Catalogue Number

H947002

Lot Number

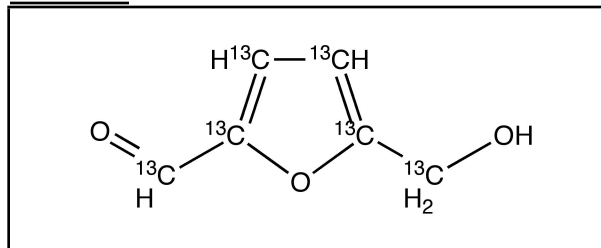
16-VKU-77-4

Product Name

5-Hydroxymethyl-2-furaldehyde-13C6

Synonyms

5-(Hydroxymethyl)-2-furancarboxaldehyde-13C6; 2-Formyl-5-hydroxymethylfuran-13C6; HMF; 2-Hydroxymethyl-5-furfural-13C6; 5-(Hydroxymethyl)-2-furancarboxal-13C6; 5-(Hydroxymethyl)furfural-13C6; 5-Hydroxymethylfurfural-13C6; 5-Oxymethylfurfural-13C6; NSC 40738-13C6;

StructureCAS Number

1219193-98-2

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped With Blue Ice

Molecular Formula $^{13}\text{C}_6\text{H}_6\text{O}_3$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

132.07

Purity

&gt;95%

**2. Warnings**

Light Sensitive

**3. Analytical Information**

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Dark Yellow Low-Melting Solid	Off-White Low-Melting Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
GC Purity	>95%	99.78%
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.9%

Additional InformationNormalized Intensity:  $^{13}\text{C}_0 = 0.47\%$ ,  $^{13}\text{C}_1 = 0.00\%$ ,  $^{13}\text{C}_2 = 0.00\%$ ,  $^{13}\text{C}_3 = 0.00\%$ ,  $^{13}\text{C}_4 = 0.00\%$ ,  $^{13}\text{C}_5 = 3.99\%$ ,  $^{13}\text{C}_6 = 95.54\%$ 

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

Henry Tieu

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

4/24/2024

Retest Date

4/22/2028