

**1. Identification**Catalogue Number

X742102

Lot Number

8-GAC-127-2

Product Name

Xanthosine-13C5

Synonyms

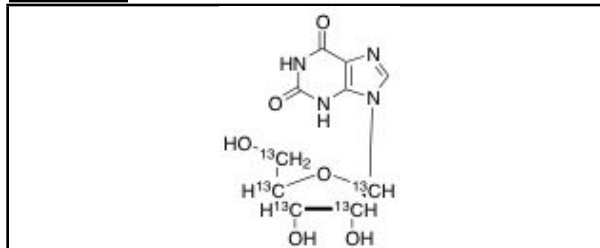
3,9-Dihydro-9-β-D-ribofuranosyl-1H-purine-2,6-dione-13C5; Xanthine Riboside;-13C5 9-β-D-Ribofuranosylxanthine-13C5; NSC 18930-13C5; Xanthine-9 β-D-Ribofuranoside -13C5

CAS Number

146-80-5

Solubility

DMSO (Slightly), Methanol (Slightly)

StructureShipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC₅¹³C₅H₁₂N₄O₆Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

289.19

Purity

96%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 36.61, %H: 4.65, %N: 17.77
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.0%

Additional InformationNormalized Intensity: ¹³C₀ = 0.00%, ¹³C₁ = 0.01%, ¹³C₂ = 0.00%, ¹³C₃ = 0.07%, ¹³C₄ = 4.95%, ¹³C₅ = 94.97%

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			9/15/2022	9/13/2026
Sarbjit Kaur	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		