

1. Identification

Catalogue Number

D435682

Lot Number

15-GAC-61-1

Product Name

2,4-Dichlorophenoxyacetic Acid-13C6

Synonyms

2-(2,4-Dichlorophenoxy)acetic Acid-13C6; 2,4-D-13C6; Diclordon-13C6; Dicopur-13C6; Esterone-13C6; Fernimine-13C6; Foredex 75-13C6; Trinoxol-13C6; 2,4-D-13C6

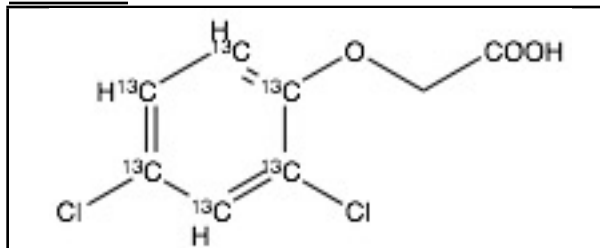
CAS Number

150907-52-1

Solubility

Aqueous Base (Slightly), DMSO (Slightly), Methanol (Slightly, Heated)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂¹³C₆H₆Cl₂O₃

Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

226.99

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Pale Beige Solid	White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 42.00, %H: 2.48
HPLC Purity	>95%	97.46% (205 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.2%

Additional Information

Normalized Intensity: ¹³C₀ = 0.00%, ¹³C₁ = 0.00%, ¹³C₂ = 0.00%, ¹³C₃ = 0.00%, ¹³C₄ = 0.24%, ¹³C₅ = 4.21%, ¹³C₆ = 95.55%

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>
			2/28/2023	2/26/2027
Neha Khanna	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Jr. Quality Assurance		