

1. Identification

Catalogue Number

S692502

Lot Number

10-AKS-63-2

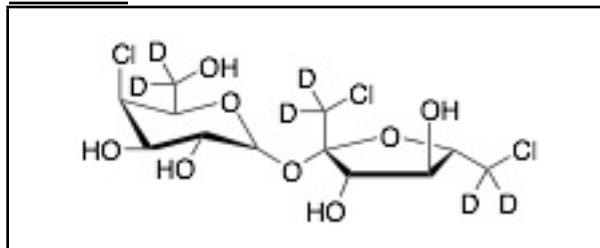
Product Name

Sucralose-d6

Synonyms

Trichlorosucrose-d6, 1,6-Dichloro-1,6-dideoxy-β-D-fructofuranosyl-4-chloro-4-deoxy; 1,6-Dichloro-1,6-dideoxy-β-D-fructofuranosyl-4-chloro-4-deoxy

Structure



CAS Number

1459161-55-7

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₁₃D₆Cl₃O₈

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

403.66

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 35.79, %H: 4.52
HPLC Purity	>95%	98.11% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	96.3%

Additional Information

Normalized Intensity: d₀ = 0.03%, d₁ = 0.01%, d₂ = 0.33%, d₃ = 0.96%, d₄ = 1.04%, d₅ = 15.91%, d₆ = 81.73%

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>
			5/17/2023	5/15/2027
Neha Khanna	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		