

1. Identification

Catalogue Number

B276287

Lot Number

14-ARD-109-1

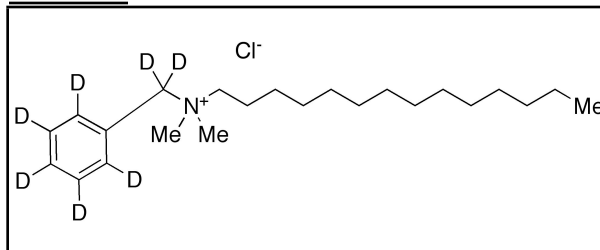
Product Name

Benzyl dimethyl tetradecyl ammonium-d7 Chloride

Synonyms

N,N-Dimethyl-N-tetradecylbenzenemethanaminium-d7 Chloride; (Benzyl-d7) dimethyl tetradecyl ammonium Chloride; Arquad DM 14B90-d7; Cation M 2-100R-d7; Cyncal-d7; Dibactol-d7; Myristalkonium-d7 Chloride; Zeph-d7; Zephiramine-d7; Zephiramine-d7 Chloride;

Structure



CAS Number

1219178-72-9

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₃H₃₅D₇ClN

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

375.08

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests	Specifications	Results
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 72.19, %H: 11.17, %N: 3.39
HPLC Purity	>95%	96.18% (210 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 0.00%, d₄ = 0.00%, d₅ = 0.02%, d₆ = 0.00%, d₇ = 99.98%

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	Reviewed by	C of A Approved by	Test Date	Retest Date
			3/12/2024	3/10/2028
Sarbjit Kaur Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Quality Assurance Associate		