



CERTIFICATE OF ANALYSIS

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1. Identification

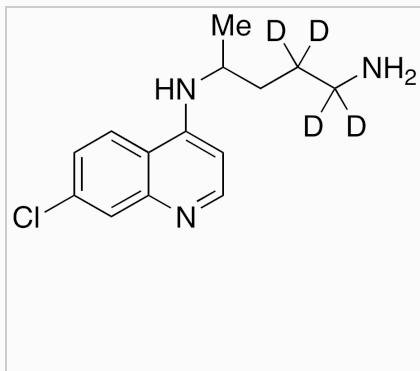
Catalogue Number: D440962

CAS Number: 1215797-41-3

Product: Didesethyl Chloroquine-d4

Synonym: N4-(7-Chloro-4-quinolinyl)-1,4-pentanediamine-d4; 4-[(4-Amino-1-methylbutyl)amino]-7-chloroquinoline-d4; Bisdeethylchloroquine-d4; Bisdesethylchloroquine-d4; N,N-Dideethylchloroquine-d4;

Structure:



Lot Number: 17-MJC-148-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

Molecular Formula:

C₁₄H₁₄D₄CIN₃

Molecular weight:

267.79

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly, Heated),
Methanol (Slightly)

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Light Yellow Solid	Pale Yellow to Pale Beige Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.59% (220 nm)
Isotopic Purity	>95%	98.6% (d0 = 0.00%)
Elemental Analysis	Conforms	%C: 61.79, %H: 6.85, %N: 15.35

Additional Information: N/A

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	9/17/2021	9/15/2025