



CERTIFICATE OF ANALYSIS

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1. Identification

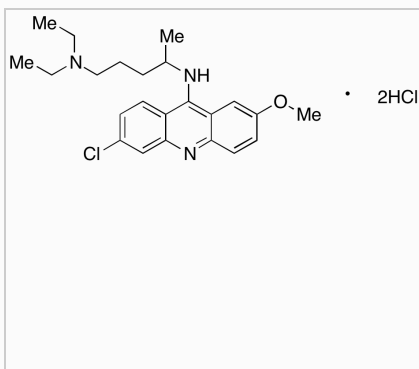
Catalogue Number: Q550610

CAS Number: 69-05-6

Synonym: N4-(6-Chloro-2-methoxy-9-acridinyl)-N1,N1-diethyl-1,4-pentanediamine Hydrochloride; N4-(6-Chloro-2-methoxy-9-acridinyl)-N1,N1-diethyl-1,4-pentanediamine Dihydrochloride; 6-Chloro-9-[[4-(diethylamino)-1-methylbutyl]amino]-2-methoxy-acridine Dihydrochloride; 2-Chloro-5-(ω-diethylamino-α-methylbutylamino)-7-methoxyacridine Dihydrochloride; 2-Methoxy-6-chloro-9-(4-diethylamino-1-methylbutylamino)acridine Dihydrochloride; 3-Chloro-7-methoxy-9-(1-methyl-4-diethylaminobutylamino)acridine Dihydrochloride

Product: Quinacrine Dihydrochloride

Structure:



Molecular Formula:

$C_{23}H_{30}ClN_3O \cdot 2(HCl)$

Molecular weight:

399.96 + 2(36.46)

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 2023-PVA-039

Purity: 95%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 55.97, %H: 6.88, %N: 8.67
Chloride Content	Report Result	16.0%
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.17% (280 nm)
MS	Conforms to Structure	Conforms
Appearance	Light Yellow to Very Dark Yellow Solid	Yellow to Very Dark Yellow Solid

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 ± 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
Henry Tieu	Toni Rantanen	Chanell Chu	1/25/2023	1/23/2027
				