



CERTIFICATE OF ANALYSIS

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1. Identification

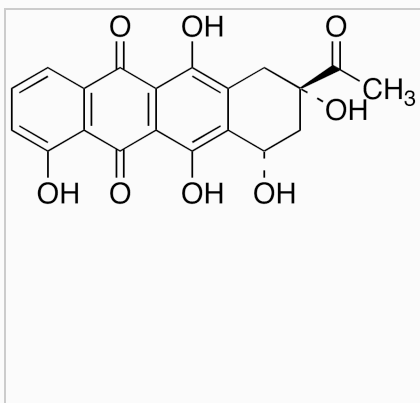
Catalogue Number: D230900

CAS Number: 52744-22-6

Product: 4-Demethyl Daunomycinone

Synonym: (8S,10S)-8-Acetyl-7,8,9,10-tetrahydro-1,6,8,10,11-pentahydroxy-5,12-naphthacenedione; (+)-Carminomycinone; 4-Demethoxy-4-hydroxydaunomycinone; 4-O-Demethyl-daunomycinone; Carminomycinone;

Structure:



Molecular Formula:

C₂₀H₁₆O₈

Molecular weight:

384.34

Source of Product:

Synthetic

Solubility:

Chloroform, DMSO (Slightly),
Ethyl Acetate (Slightly),
Methanol (Very Slightly)

Lot Number: 2-XAL-105-2

Purity: 95%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Red to Dark Red Solid	Red Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 62.38, %H: 4.24
MS	Conforms to Structure	Conforms

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	4/6/2022	4/4/2026