



CERTIFICATE OF ANALYSIS

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1. Identification

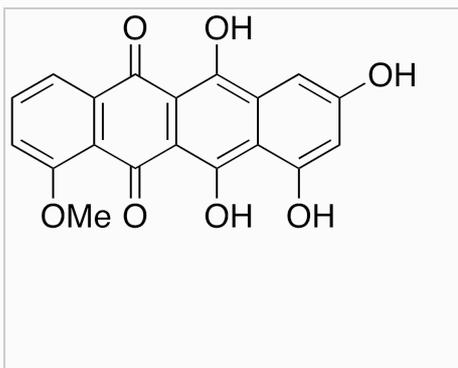
Catalogue Number: D288680

CAS Number: 1159977-24-8

Product: 7,8-Desacetyl-9,10-dehydro Daunorubicinone (~90%)(Doxorubicin Impurity)

Synonym: Doxorubicin Impurity; 6,8,10,11-Tetrahydroxy-1-methoxy-5,12-naphthacenedione;

Structure:



Molecular Formula:

C₁₉H₁₂O₇

Molecular weight:

352.29

Source of Product:

Synthetic

Solubility:

Aqueous Base (Very Slightly),
DMSO (Slightly)

Lot Number: 14-AKS-188-1

Purity: ~90%

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:
Appearance	Black Solid	Black Solid
HPLC Purity	Report Result	93.04% (245 nm)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 61.36, %H: 3.48
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 ± 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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	7/4/2023	7/2/2027