

**1. Identification**Catalogue Number

M373435

Lot Number

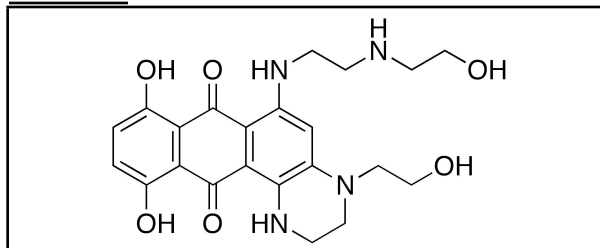
22-MVI-52-3

Product Name

Mitoxantrone (2-Hydroxyethyl)piperazine Impurity(Mitoxantrone Impurity D)

Synonyms

1,2,3,4-Tetrahydro-8,11-dihydroxy-4-(2-hydroxyethyl)-6-[[2-[(2-hydroxyethyl)amino]ethyl]amino]naphtho[2,3-f]quinoxaline-7,12-dione; Mitoxantrone Impurity D;

StructureCAS Number

137132-70-8

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC₂₂H₂₆N₄O₆Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

442.46

Purity

>95%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

Dark Blue to Black Solid

Results

Dark Blue to Black Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

96.07% (240 nm)

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. SignaturesReviewed by

Vijaya Annapareddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

8/19/2025

Retest Date

8/17/2029