

**1. Identification**Catalogue Number

N493830

Lot Number

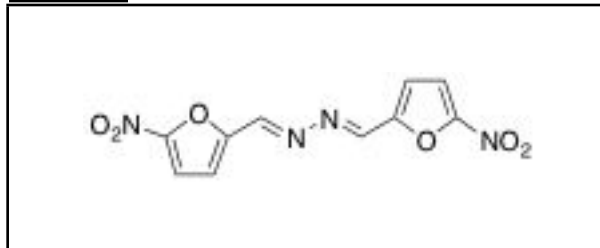
15-ZCA-176-3

Product Name

5-Nitro-2-furfuraldazine

Synonyms

5-Nitro-2-furancarboxaldehyde (E,E)-(5-Nitro-2-furanyl)methylene]hydrazone; USP Nitrofurazone Related Compound A; Nitrofurazone USP Related Compound A

StructureCAS Number

112537-96-9

Solubility

Chloroform (Very Slightly), DMSO (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC₁₀H₆N₄O₆Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

278.18

Purity

>95%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

Dark Yellow to Dark Orange Solid

Results

Dark Yellow to Dark Orange Solid

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 43.13, %H: 2.13, %N: 20.15

HPLC Purity

>95%

99.64% (380 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

Meenakshi Sharma

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

9/5/2023

Retest Date

9/3/2027