



CERTIFICATE OF ANALYSIS

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1. Identification

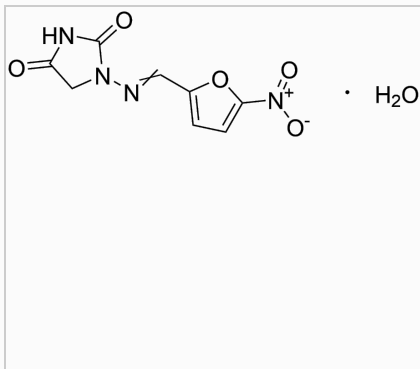
Catalogue Number: N075910

CAS Number: 17140-81-7

Product: Nitrofurantoin Monohydrate

Synonym: 1-(((5-Nitrofuran-2-yl)methylene)amino)-imidazolidine-2,4-dione Hydrate; Furadantin Monohydrate

Structure:



Molecular Formula:

C₈H₈N₄O₆

Molecular weight:

256.18

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 12-TAH-113-1

Purity: 98%

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 Yellow to Yellow Solid	Light Yellow to Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 37.27, %H: 3.11, %N: 21.70
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.96% (370 nm)
Water Content	Report Result	7.6% by Karl Fischer

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
Evan Burns	Toni Rantanen	Chanell Chu	8/30/2021	8/28/2025