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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2022

Re-test Date: Nov 2025

Product Name: Nifuroxazide EP Impurity D

Identification:

Chemical Name: (E,E)-N,N'-Bis[(5-nitrofuran-2-yl)methylidene]hydrazine (as per EP)

Synonyms : Nitrofurazone USP Related
Compound A ; 5-Nitrofurfural
azine (EP)

CAS Number : 112537-96-9

CAT Number : CP-N10004

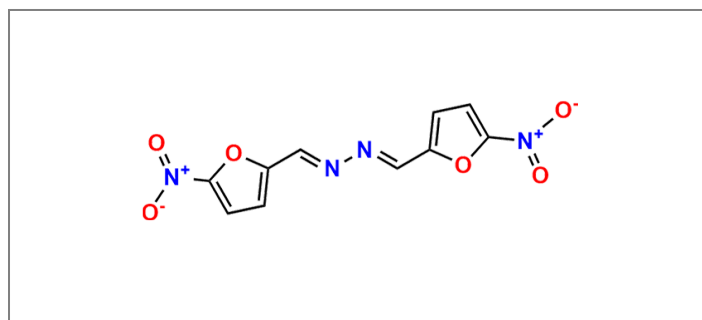
Molecular Formula : C₁₀H₆N₄O₆

Molecular Weight : 278.18

Batch Number : CHEM-NIF-D-1211-001

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is
mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.22%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.