



CERTIFICATE OF ANALYSIS

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1. Identification

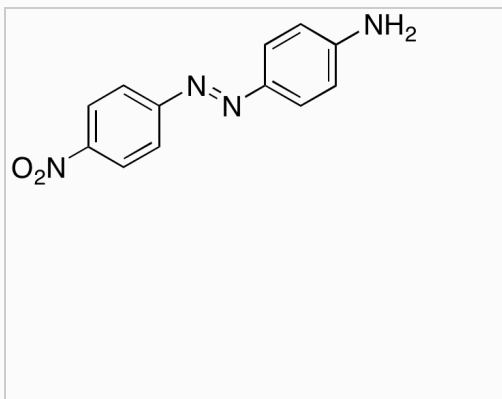
Catalogue Number: D493485

CAS Number: 730-40-5

Product: Disperse Orange 3

Synonym: 4-[2-(4-Nitrophenyl)diazenyl]-benzenamine;

Structure:



Molecular Formula:

C₁₂H₁₀N₄O₂

Molecular weight:

242.23

Source of Product:

Synthetic

Solubility:

Chloroform (Very Slightly),
DMSO (Slightly), Methanol
(Slightly)

Lot Number: 2022-CMC-042

Purity: 96%

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	Red to Black Solid	Dark Red to Very Dark Red Solid
NMR	Conforms to Structure	Conforms
UV Absorbance	Report Result	203 nm, 276 nm, 440 nm
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	96.62% (400 nm)
Elemental Analysis	Conforms	%C: 58.09, %H: 4.27, %N: 21.08

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
Nicole Yip	Toni Rantanen	Chanell Chu	1/12/2023	1/10/2027