



## CERTIFICATE OF ANALYSIS

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### 1. Identification

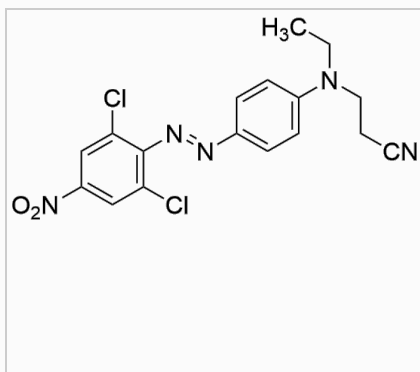
**Catalogue Number:** D493490

**CAS Number:** 13301-61-6

**Synonym:** 3-[[4-[2-(2,6-Dichloro-4-nitrophenyl)diazenyl]phenyl]ethylamino]propanenitrile; 3-[[4-[(2,6-Dichloro-4-nitrophenyl)azo]phenyl]ethylamino]propanenitrile; 3-[p-[(2,6-dichloro-4-nitrophenyl)azo]-N-ethylanilino]propionitrile; Akasperse Orange RL 150; C.I. Disperse Orange 37; C.I. Disperse Orange 59; C.I. Disperse Orange 76; Disperse Orange 37; Disperse Orange 59; Disperse Orange 76; Disperse Polyester Yellow Brown; Disperse Yellow Brown 2RCW; Eastman Polyester Dark Orange RL; Eastone Dark Orange R-G

**Product:** Disperse Orange 37

**Structure:**



**Molecular Formula:**

C<sub>18</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>2</sub>

**Molecular weight:**

391.25

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 711784265-1-1

**Purity:** 95%

**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	Dark Red to Very Dark Red Solid	Very Dark Red Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 46.22, %H: 4.29, %N: 9.04
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
UV Absorbance	Report Result	205 nm, 270 nm, 421 nm
C NMR	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 ± 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	5/15/2023	5/13/2027
				