



## CERTIFICATE OF ANALYSIS

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### 1. Identification

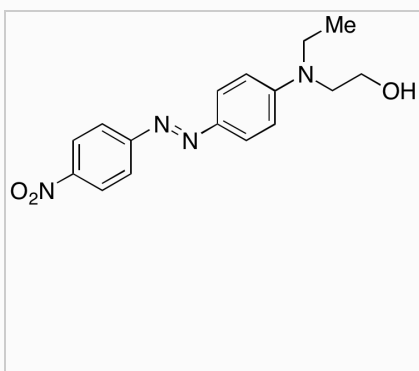
**Catalogue Number:** D473475

**CAS Number:** 2872-52-8

**Synonym:** 2-[Ethyl[4-[2-(4-nitrophenyl)diazenyl]phenyl]amino]-ethanol; C.I. Disperse Red 1 (7CI,8CI); Celliton Scarlet B (6CI); 2-[Ethyl[4-[(4-nitrophenyl)azo]phenyl]amino]-ethanol; 1-[N-Ethyl-N-(2-hydroxyethyl)amino]-4-(4-nitrophenylazo)benzene; 4-Nitro-4'-[N-ethyl-N-(β-hydroxyethyl)amino]azobenzene; 4-Nitro-4'-[ethyl(2-hydroxyethyl)amino]azobenzene; 4-[(2-Hydroxyethyl)ethylamino]-4'-nitroazobenzene; 4-[4-(Nitrophenyl)azo]-N-ethyl-N-(2-hydroxyethyl)aniline; 4-[Ethyl(2-hydroxyethyl)amino]-4'-nitroazobenze

**Product:** Disperse Red 1 (Technical Grade)

**Structure:**



**Molecular Formula:**

C<sub>16</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>

**Molecular weight:**

314.34

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 711901415-1-1

**Purity:** Technical Grade

**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	Dark Red to Black Solid	Very Dark Red to Black Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	204 nm, 286 nm, 482 nm

**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
Henry Tieu	Toni Rantanen	Chanell Chu	11/30/2023	11/28/2027
				