



CERTIFICATE OF ANALYSIS

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1. Identification

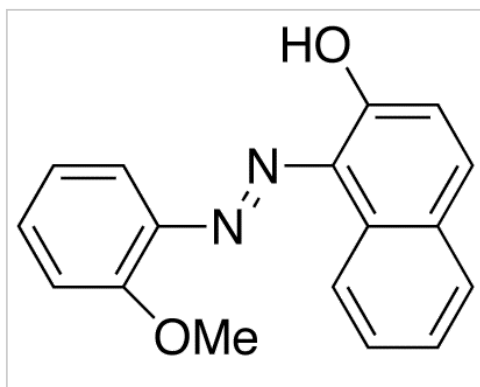
Catalogue Number: S688930

CAS Number: 1229-55-6

Product: Sudan R

Synonym: 1-[2-(2-Methoxyphenyl)diazenyl]-2-naphthalenol; 1-[(2-Methoxyphenyl)azo]-2- σ -naphthalenol; Sudan Red G; Anisole-2-azo-.beta.-naphthol; Oil Red; Silotras Red TG; Solvent Red 1; Somalia Red PG; Sudan Red 290;

Structure:



Molecular Formula:

C₁₇H₁₄N₂O₂

Molecular weight:

278.31

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly, Heated)

Lot Number: 2-BLH-47-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: Amber Vial, Refrigerator

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:

NMR

MS

Melting Point

Elemental Analysis

Appearance

Specifications:

Conforms to structure

Conforms to Structure

Report Results

Conforms

Results:

Conforms

Conforms

181 - 184°C

Refer: Additional Information

Dark Red Solid

Additional Information:

TLC Conditions: SiO₂; Hexane : Ethyl Acetate = 7 : 3; Visualized with UV and Naked Eye; Single Spot, R_f = 0.50. ¹H NMR and MS conform to structure. Elemental Analysis: (Found) %C: 71.49, %H: 4.65, %N: 9.61; (Calculated) %C: 73.37, %H: 5.07, %N: 10.07

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.

4. Signatures

Philip Chan
Reviewed By

Reviewed By

C of A Approved By

Test Date

5/4/2016

Retest Date

5/2/2023

A handwritten signature in black ink, appearing to be 'C. H.' or similar, located in the top left corner of the page.