



CERTIFICATE OF ANALYSIS

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1. Identification

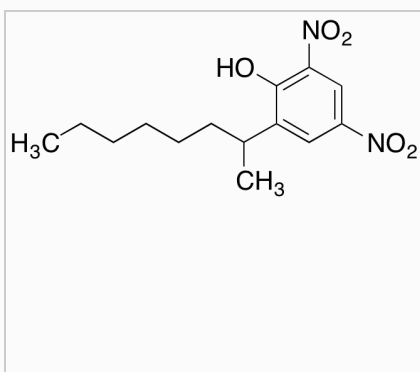
Catalogue Number: D492388

CAS Number: 3687-22-7

Product: 2,4-Dinitro-6-(1-methylheptyl)phenol

Synonym: 2,4-DNOP; 2,4-Dinitro-6-(1-methylheptyl)phenol; 2,4-Dinitro-6-(1'-methylheptyl)phenol; 2-(2-Hydroxy-3,5-dinitrophenyl)octane; DNOP;

Structure:



Molecular Formula:

C₁₄H₂₀N₂O₅

Molecular weight:

296.32

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 1-RSS-98-2

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	Light Yellow to Yellow Oil	Clear Light Yellow to Yellow Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	95.89% (270 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 $\pm 2\%$. 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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	11/5/2021	11/3/2025