>>**Entry Name: 2,4-Dinitro-1-naphthol,** 8CI
Synonym(s): 2,4-Dinitro-1-naphthalenol, 9CI

CAS Registry Number: 605-69-6
Structure by analogy with 1,5-Dinitro-2-naphthol, FNZ65-F

Molecular Formula: $C_{10}H_6N_2O_5$
Molecular Weight: 234.168
Accurate Mass: 234.027673
Percentage Composition: C 51.29%; H 2.58%; N 11.96%; O 34.16%
Use/Importance: Biological stain, dyestuff
Physical Description: Yellow needles (EtOH or $CHCl_3$)
Melting Point: Mp 140° (137.5°)
Solubility: Spar. sol. Et_2O, EtOH, C_6H_6, H_2O
Hazard & Toxicity: Toxic by skin absorption: human reproductive effects

Aldrich: 37776-7
Fluka: 42150
Sigma: M0783

>>**Derivative:** Na salt
Synonym(s): Martius yellow

Use/Importance: Dyestuff

>>**Derivative:** Me ether
Synonym(s): 1-Methoxy-2,4-dinitronaphthalene

Molecular Formula: $C_{11}H_8N_2O_5$
Molecular Weight: 248.195
Accurate Mass: 248.043323
Percentage Composition: C 53.23%; H 3.25%; N 11.29%; O 32.23%
Physical Description: Yellow needles
Melting Point: Mp 97°

References:

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