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Typical Product Specifications & Properties

2,4-Dinitrodiphenylamine

CAS Number: : 961-68-2

Specifications	Limits
Molecular weight	259.22
EINECS	213-508-4
SMILES	<chem>c1(c(cc([N+](=O)[O-])cc1)[N+](=O)[O-])Nc1ccccc1</chem>
InChI	1S/C12H9N3O4/c16-14(17)10-6-7-11(12(8-10)15(18)19)13-9-4-2-1-3-5-9/h1-8,13H
InChIKey	RHTVQEPJVKUMPI-UHFFFAOYSA-N
Melting Point	159 ° C
log P (octanol-water)	3.500
Water solubility	38 mg/L
Henry's Law Constant	7.75E-10 atm-m3/mole
Atmospheric OH Rate Constant	1.49E-10 cm3/molecule-sec
Stability	Stable. Incompatible with strong bases, strong acids, strong oxidizing agents.
Melting Point	159-161 °C



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Specifications	Limits
Solubility	acetone: soluble25mg/mL, clear, orange to red



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