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Typical Product Specifications & Properties

2,4-Dinitrobenzoic acid

CAS Number : 610-30-0

Specifications	Limits
Molecular weight	212.12
EINECS	210-219-5
SMILES	<chem>c1cc(c(cc1[N+](=O)[O-])[N+](=O)[O-])C(=O)O</chem>
InChI	1S/C7H4N2O6/c10-7(11)5-2-1-4(8(12)13)3-6(5)9(14)15/h1-3H,(H,10,11)
InChIKey	ZIIGSRYPZWDGBT-UHFFFAOYSA-N
log P (octanol-water)	1.170
Henry's Law Constant	1.69E-12 atm-m ³ /mole
Atmospheric OH Rate Constant	5.28E-13 cm ³ /molecule-sec
Melting Point	182 ° C
Vapor Pressure	1.41E-06 mm Hg
pKa Dissociation Constant	1.42
Water solubility	1.82E+04 mg/L



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Specifications	Limits
BRN Number	658650
Solubility	dioxane: 50 mg/mL, clear
Density	1.688
Melting Point	176-180 °C



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