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Typical Product Specifications & Properties

2-Nitro-p-phenylenediamine

CAS Number: : 5307-14-2

Specifications	Limits
Molecular weight	153.14
EINECS	226-164-5
SMILES	<chem>c1(c(ccc(c1)N)N)[N+](=O)[O-]</chem>
InChI	1S/C6H7N3O2/c7-4-1-2-5(8)6(3-4)9(10)11/h1-3H,7-8H2
InChIKey	HVHNMNGARPCGGD-UHFFFAOYSA-N
Atmospheric OH Rate Constant	2.20E-11 cm ³ /molecule-sec
Melting Point	137-140 ° C
Water solubility	2.59E+04 mg/L
log P (octanol-water)	0.53
Henry's Law Constant	5.81E-11 atm-m ³ /mole
Vapor Pressure	5.60E-05 mm Hg
Water solubility	<0.1 g/100 mL at 22 ºC



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Specifications	Limits
Stability	Stable. Incompatible with strong oxidizin
Melting Point	135-138 °C
Solubility	0.2g/l
Storage Temperature	Store below +30°C.
Form	Powder
Color	Brown to black



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