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Typical Product Specifications & Properties

Phenyl phosphonic acid

CAS Number: : 1571-33-1

Specifications	Limits
Molecular weight	158.09
EINECS	212-220-6
SMILES	<chem>c1(ccccc1)P(O)(O)=O</chem>
InChI	1S/C6H7O3P/c7-10(8,9)6-4-2-1-3-5-6/h1-5H,(H2,7,8,9)
InChIKey	QLZHNIAADXEJJP-UHFFFAOYSA-N
Henry's Law Constant	3.12E-13 atm-m ³ /mole
Atmospheric OH Rate Constant	2.23E-12 cm ³ /molecule-sec
log P (octanol-water)	0.54
Water solubility	1.90E+05 mg/L
pKa Dissociation Constant	1.83
Vapor Pressure	1.57E-06 mm Hg
Melting Point	163-166 ° C




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Specifications	Limits
Flash Point	>230 °F
BRN Number	2245168
Density	1.412 g/mL at 25 °C
Refractive Index	1.523
Storage Temperature	2-8°C
Boiling Point	241-243 °C
Melting Point	162-164 °C
Water solubility	40.4 g/100 mL (25 °C)
Chemical Structure	 39407_39407_phenyl-phosphonic-acid.png chemical structure



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