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Typical Product Specifications & Properties

Azobenzene

CAS Number: : 103-33-3

Specifications	Limits
Molecular weight	182.22
EINECS	203-102-5
SMILES	<chem>c1(\N=N\c2ccccc2)ccccc1</chem>
InChI	1S/C12H10N2/c1-3-7-11(8-4-1)13-14-12-9-5-2-6-10-12/h1-10H
InChIKey	DMLAVOWQYNRWNQ-UHFFFAOYSA-N
log P (octanol-water)	3.82
Water solubility	6.4 mg/L
Boiling Point	293 ° C
pKa Dissociation Constant	-2.95E+00
Henry's Law Constant	1.35E-05 atm-m ³ /mole
Atmospheric OH Rate Constant	1.55E-12 cm ³ /molecule-sec
Melting Point	68 ° C



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Specifications	Limits
Vapor Pressure	3.61E-04 mm Hg
Density	1.09 g/mL at 25 °C
Merck	14,917
Melting Point	66 °C
Boiling Point	293 °C
Flash Point	100 °C
Water solubility	Soluble in alcohol, ether, benzene and glacial acetic acid. Insoluble in water.
Storage Temperature	2-8°C
Vapor Pressure	1 mm Hg (104 °C)
Stability	Stable. Combustible. Incompatible with strong oxidizing agents. Air and light sensitive.
Refractive Index	1.62662 (78.1?)



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