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Typical Product Specifications & Properties

1,3-Diethylbenzene

CAS Number: : 141-93-5

Specifications	Limits
Molecular weight	134.22
EINECS	205-511-4
SMILES	<chem>c1c(cccc1CC)CC</chem>
InChI	1S/C10H14/c1-3-9-6-5-7-10(4-2)8-9/h5-8H,3-4H2,1-2H3
InChIKey	AFZZYIJWUTJFO-UHFFFAOYSA-N
Melting Point	-8.39E+01 ° C
log P (octanol-water)	4.57
Atmospheric OH Rate Constant	1.42E-11 cm ³ /molecule-sec
Vapor Pressure	1.13 mm Hg
Boiling Point	181.1 ° C
Henry's Law Constant	8.32E-03 atm-m ³ /mole
Water solubility	24 mg/L



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Specifications	Limits
Density	0.864 g/mL at 20 °C
Flash Point	50°C
Refractive Index	1.496
Water solubility	Miscible with ethanol, benzene, carbon tetrachloride, ethyl ether and acetone. Immiscible with water and diethylbenzene.
Boiling Point	182 °C



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