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Typical Product Specifications & Properties

Meperidine Hydrochloride, USP

CAS Number: : 50-13-5

Specifications	Limits
Molecular weight	283.79
EINECS	200-013-3
InChI	1S/C15H21NO2.ClH/c1-3-18-14(17)15(9-11-16(2)12-10-15)13-7-5-4-6-8-13;/h4-8H,3,9-12H2,1-2H3;1H
InChIKey	WCNLCIJMFAJCPX-UHFFFAOYSA-N
Melting Point	187.5 ° C
Water solubility	6550 mg/L
log P (octanol-water)	3.030
Vapor Pressure	6.89E-05 mm Hg
Henry's Law Constant	9.61E-09 atm-m ³ /mole
Atmospheric OH Rate Constant	9.74E-11 cm ³ /molecule-sec
Molecular weight	182.22
EINECS	200-427-4



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Specifications	Limits
SMILES	<chem>c1cccc(OC[C@@H](CO)O)c1C</chem>
InChI	1S/C10H14O3/c1-8-4-2-3-5-10(8)13-7-9(12)6-11/h2-5,9,11-12H,6-7H2,1H3
InChIKey	JWDYCNIQWPBHD-UHFFFAOYSA-N
Water solubility	1.18E+04 mg/L
Melting Point	70 dec ° C
Atmospheric OH Rate Constant	4.81E-11 cm ³ /molecule-sec
log P (octanol-water)	1.41
Vapor Pressure	5.43E-06 mm Hg
Henry's Law Constant	8.29E-10 atm-m ³ /mole



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