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Typical Product Specifications & Properties

Diazepam

CAS Number: : 439-14-5

Specifications	Limits
Molecular weight	284.74
EINECS	207-122-5
SMILES	<chem>C1(=NCC(=O)N(c2c1cc(cc2)Cl)C)c1ccccc1</chem>
InChI	1S/C16H13ClN2O/c1-19-14-8-7-12(17)9-13(14)16(18-10-15(19)20)11-5-3-2-4-6-11/h2-9H,10H2,1H3
InChIKey	AAOVKJBEBIDNHE-UHFFFAOYSA-N
Atmospheric OH Rate Constant	9.90E-12 cm ³ /molecule-sec
Henry's Law Constant	3.64E-09 atm-m ³ /mole
Water solubility	50 mg/L
log P (octanol-water)	2.82
Melting Point	132 °C
Vapor Pressure	2.78E-08 mm Hg
pKa Dissociation Constant	3.4



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Specifications	Limits
Storage Temperature	2-8°C
Flash Point	11 °C
Melting Point	131.5-134.5°C
Stability	Stable. Light-sensitive. Incompatible with strong oxidizing agents.
Solubility	45% (w/v) aq 2-hydroxypropyl-β-cyclodextrin: 1.6 mg/mL



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