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Typical Product Specifications & Properties

Glycidol

CAS Number: : 556-52-5

Specifications	Limits
Molecular weight	74.08
EINECS	209-128-3
SMILES	C1(CO1)CO
InChI	1S/C3H6O2/c4-1-3-2-5-3/h3-4H,1-2H2
InChIKey	CTKINSOISVBQLD-UHFFFAOYSA-N
Melting Point	-54 °C
Vapor Pressure	0.9 mm Hg (25 °C)
Atmospheric OH Rate Constant	4.66E-12 cm ³ /molecule-sec
Water solubility	1.00E+06 mg/L
Vapor Pressure	5.590 mm Hg
Henry's Law Constant	5.84E-09 atm-m ³ /mole
log P (octanol-water)	-0.95



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Specifications	Limits
Flash Point	178 °F
Water solubility	soluble
Boiling Point	61-62 °C/15 mm Hg
Vapor Density	2.15
Density	1.117 g/mL at 25 °C
Merck	13,4503
Storage Temperature	2-8°C
Stability	Stability Stable, but may explode on contact with strong acids, strong bases, heavy metals, heavy metal salts. May decompose on exposure to water or moist air.
Refractive Index	1.433



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