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Typical Product Specifications & Properties

1-Mercaptooctane

CAS Number: : 111-88-6

Specifications	Limits
Molecular weight	146.29
EINECS	203-918-1
SMILES	C(CCCC)CCCS
InChI	1S/C8H18S/c1-2-3-4-5-6-7-8-9/h9H,2-8H2,1H3
InChIKey	KZ COBXFFBQJQHH-UHFFFAOYSA-N
Melting Point	-4.92E+01 ° C
Water solubility	22.6 mg/L
Henry's Law Constant	0.023 atm-m3/mole
Vapor Pressure	0.425 mm Hg
Boiling Point	199.1 ° C
Atmospheric OH Rate Constant	4.98E-11 cm3/molecule-sec
log P (octanol-water)	4.210



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Specifications	Limits
Melting Point	-49 °C
Flash Point	55 °F
Refractive Index	1.452
Boiling Point	197-200 °C
Water solubility	Not miscible in water.
Stability	Stable. Incompatible with strong acids, strong oxidizing agents, alkali metals.
BRN Number	1733101
Density	0.843 g/mL at 25 °C



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