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Typical Product Specifications & Properties

cis-Decalin

CAS Number: : 493-01-6

Specifications	Limits
Molecular weight	138.25
EINECS	207-770-9
SMILES	C12C(CCCC1)CCCC2
InChI	1S/C10H18/c1-2-6-10-8-4-3-7-9(10)5-1/h9-10H,1-8H2/t9-,10+
InChIKey	NNBZ CPXTIHJBJL-AOOOYVTPSA-N
Atmospheric OH Rate Constant	1.99E-11 cm ³ /molecule-sec
Melting Point	-4.29E+01 ° C
Water solubility	6.450 mg/L
Henry's Law Constant	0.349 atm-m ³ /mole
Boiling Point	195.8 ° C
log P (octanol-water)	4.200
Vapor Pressure	0.786 mm Hg



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Specifications	Limits
Flash Point	137 °F
Refractive Index	1.481
Boiling Point	193 °C
Melting Point	-43 °C
Vapor Pressure	42 mm Hg (92 °C)
Density	0.897 g/mL at 25 °C
Merck	2846
Stability	Stable. Incompatible with oxidizing agents. May form explosive peroxides. Heat and light accelerate peroxide formation.
Vapor Density	4.76



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