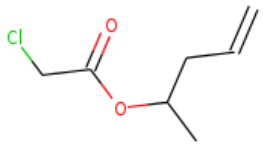
4-Penten-2-ol, chloroacetate

InChI: InChI=1S/C7H11ClO2/c1-3-4-6(2)10-7(9)5-8/h3,6H,1,4-5H2,2H3
InChI Key: MLUZZPKUPKESMI-UHFFFAOYSA-N
Formula: C7H11ClO2
SMILES: C=CCC(C)OC(=O)CCl
Molecular Weight: 162.61



Physical Properties

Property	Value	Unit	Source
$\Delta_f G°$	-152.39	kJ/mol	Joback Method
$\Delta_f H°_{gas}$	-328.20	kJ/mol	Joback Method
$\Delta_{fus} H°$	16.07	kJ/mol	Joback Method
$\Delta_{vap} H°$	43.66	kJ/mol	Joback Method
$logP_{oct/wat}$	1.73		Crippen Method
P_c	2982.79	kPa	Joback Method
T_{boil}	469.52	K	Joback Method
T_c	660.02	K	Joback Method
T_{fus}	253.97	K	Joback Method
V_c	0.48	m^3/kg-mol	Joback Method

Temperature Dependent Properties

Property	Value	Unit	Temperature (K)	Source
$C_{p,gas}$	248.56	J/mol×K	469.52	Joback Method
η	0.00	Pa×s	469.52	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method
NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C7H11ClO2/c1-3-4-6(2)10-7(9)5-8/h3,6H,1,4-5H2,2H3
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

$\mathbf{C_{p,gas}}$: Ideal gas heat capacity (J/mol×K).
η: Dynamic viscosity (Pa×s).
$\Delta_f\mathbf{G°}$: Standard Gibbs free energy of formation (kJ/mol).
$\Delta_f\mathbf{H°_{gas}}$: Enthalpy of formation at standard conditions (kJ/mol).
$\Delta_{fus}\mathbf{H°}$: Enthalpy of fusion at standard conditions (kJ/mol).
$\Delta_{vap}\mathbf{H°}$: Enthalpy of vaporization at standard conditions (kJ/mol).
$\boldsymbol{log}\mathbf{P_{oct/wat}}$: Octanol/Water partition coefficient .
$\mathbf{P_c}$: Critical Pressure (kPa).
$\mathbf{T_{boil}}$: Normal Boiling Point Temperature (K).
$\mathbf{T_c}$: Critical Temperature (K).
$\mathbf{T_{fus}}$: Normal melting (fusion) point (K).
$\mathbf{V_c}$: Critical Volume (m^3/kg-mol).