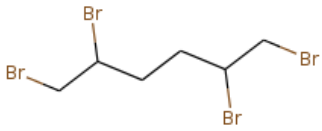
Hexane, 1,2,5,6-tetrabromo-

Other names: 1,2,5,6-Tetrabromohexane.
InChI: InChI=1S/C6H10Br4/c7-3-5(9)1-2-6(10)4-8/h5-6H,1-4H2
InChI Key: WPBWUVCMCYXPFI-UHFFFAOYSA-N
Formula: C6H10Br4
SMILES: BrCC(Br)CCC(Br)CBr
Molecular Weight: 401.76
CAS: 58443-86-0



Physical Properties

Property	Value	Unit	Source
$\Delta_f G°$	52.04	kJ/mol	Joback Method
$\Delta_f H°_{gas}$	-72.41	kJ/mol	Joback Method
$\Delta_{fus} H°$	25.39	kJ/mol	Joback Method
$\Delta_{vap} H°$	53.91	kJ/mol	Joback Method
$logP_{oct/wat}$	4.08		Crippen Method
P_c	4432.62	kPa	Joback Method
T_{boil}	600.44	K	Joback Method
T_c	841.15	K	Joback Method
T_{fus}	322.65 ± 2.00	K	NIST Webbook
V_c	0.61	m^3/kg-mol	Joback Method

Temperature Dependent Properties

Property	Value	Unit	Temperature (K)	Source
$C_{p,gas}$	298.17	J/mol×K	600.44	Joback Method
η	0.00	Pa×s	600.44	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method
NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C6H10Br4/c7-3-5(9)1-2-6(10)4-8/h5-6H,1-4H2
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).