BICYCLO[3.2.0]HEPT-2-EN-6-ONE, 7,7-DICHLORO-

Other names: Bicyclo[3.2.0]hept-2-en-6-one, 7,7-dichloro-
7,7-dichlorobicyclo[3.2.0]hept-2-en-6-one
Inchi: InChI=1S/C7H6Cl2O/c8-7(9)5-3-1-2-4(5)6(7)10/h1,3-5H,2H2
InchiKey: JBPBARAOHIDZPU-UHFFFAOYSA-N
Formula: C7H6Cl2O
SMILES: O=C1C2CC=CC2C1(Cl)Cl
Mol. weight [g/mol]: 177.03

Physical Properties

Property code	Value	Unit	Source
hfus	11.95	kJ/mol	Joback Method
logp	1.935		Crippen Method
mcvol	109.520	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	228.72	J/mol×K	514.72	Joback Method
cpg	240.88	J/mol×K	556.24	Joback Method
cpg	251.97	J/mol×K	597.76	Joback Method
cpg	262.16	J/mol×K	639.29	Joback Method
cpg	271.64	J/mol×K	680.81	Joback Method
cpg	280.58	J/mol×K	722.33	Joback Method
cpg	289.17	J/mol×K	763.85	Joback Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C5307993&Units=SI

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume