1,6-DIOXASPIRO(4.4)NONANE-2,7-DIONE

Inchi: InChI=1S/C7H8O4/c8-5-1-3-7(10-5)4-2-6(9)11-7/h1-4H2
InchiKey: VTQYOGUFKHVWOO-UHFFFAOYSA-N
Formula: C7H8O4
SMILES: O=C1CCC2(CCC(=O)O2)O1
Mol. weight [g/mol]: 156.14

Physical Properties

Property code	Value	Unit	Source
hfus	11.46	kJ/mol	Joback Method
logp	0.357		Crippen Method
mcvol	102.650	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	270.32	J/mol×K	580.30	Joback Method
cpg	284.72	J/mol×K	624.60	Joback Method
cpg	298.19	J/mol×K	668.91	Joback Method
cpg	310.86	J/mol×K	713.21	Joback Method
cpg	322.89	J/mol×K	757.51	Joback Method
cpg	334.40	J/mol×K	801.82	Joback Method
cpg	345.54	J/mol×K	846.12	Joback Method

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3505677&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
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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