2-HYDROXY-GAMMA-BUTYROLACTONE

Other names: 2-Hydroxy-«gamma»butyrolactone
Inchi: InChI=1S/C4H6O3/c5-3-1-2-7-4(3)6/h3,5H,1-2H2
InchiKey: FWIBCWKHNZBDLS-UHFFFAOYSA-N
Formula: C4H6O3
SMILES: O=C1OCCC1O
Mol. weight [g/mol]: 102.09

Physical Properties

Property code	Value	Unit	Source
hfus	11.63	kJ/mol	Joback Method
logp	-0.706		Crippen Method
mcvol	69.670	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	157.21	J/mol×K	493.15	Joback Method
cpg	166.07	J/mol×K	527.95	Joback Method
cpg	174.55	J/mol×K	562.74	Joback Method
cpg	182.66	J/mol×K	597.54	Joback Method
cpg	190.39	J/mol×K	632.34	Joback Method
cpg	197.73	J/mol×K	667.13	Joback Method
cpg	204.66	J/mol×K	701.93	Joback Method

Sources

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
Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C19444849&Units=SI

Legend

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