D-CAMPHORIC ANHYDRIDE

Other names: (dl)-camphoric anhydride
1,3-Cyclopentanedicarboxylic anhydride, 1,2,2-trimethyl-
Camphoric anhydride
d-Camphoric anhydride
Inchi: InChI=1S/C10H14O3/c1-9(2)6-4-5-10(9,3)8(12)13-7(6)11/h6H,4-5H2,1-3H3
InchiKey: VFZDNKRDYPTSTP-UHFFFAOYSA-N
Formula: C10H14O3
SMILES: CC12CCC(C(=O)OC1=O)C2(C)C
Mol. weight [g/mol]: 182.22

Physical Properties

Property code	Value	Unit	Source
hfus	9.20	kJ/mol	Joback Method
logp	1.512		Crippen Method
mcvol	139.050	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	385.35	J/mol×K	608.62	Joback Method
cpg	402.73	J/mol×K	650.88	Joback Method
cpg	419.25	J/mol×K	693.14	Joback Method
cpg	435.16	J/mol×K	735.39	Joback Method
cpg	450.72	J/mol×K	777.65	Joback Method
cpg	466.20	J/mol×K	819.91	Joback Method
cpg	481.85	J/mol×K	862.17	Joback Method

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C595313&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
Cheméo Relay (1.0):	

Legend

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