2,7-(exo)-Diacetoxynorbornane

Inchi: InChI=1S/C11H16O4/c1-6(12)14-10-5-8-3-4-9(10)11(8)15-7(2)13/h8-11H,3-5H2,1-2H3
InchiKey: LNTSWTDQYLJUEX-UHFFFAOYSA-N
Formula: C11H16O4
SMILES: CC(=O)OC1CC2CCC1C2OC(C)=O
Mol. weight [g/mol]: 212.25

Physical Properties

Property code	Value	Unit	Source
hfus	26.13	kJ/mol	Joback Method
ie	9.18	eV	Cheméo Relay (1.0)
logp	1.280		Crippen Method
mcvol	159.010	ml/mol	McGowan Method
tf	308.83	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	441.35	J/mol×K	612.07	Joback Method
cpg	457.89	J/mol×K	646.78	Joback Method
cpg	473.47	J/mol×K	681.50	Joback Method
cpg	488.12	J/mol×K	716.21	Joback Method
cpg	501.88	J/mol×K	750.93	Joback Method
cpg	514.75	J/mol×K	785.64	Joback Method
cpg	526.78	J/mol×K	820.36	Joback Method
dvisc	0.0021752	Pa×s	381.93	Joback Method
dvisc	0.0018101	Pa×s	420.29	Joback Method
dvisc	0.0015532	Pa×s	458.64	Joback Method
dvisc	0.0013647	Pa×s	497.00	Joback Method
dvisc	0.0012215	Pa×s	535.36	Joback Method
dvisc	0.0011096	Pa×s	573.71	Joback Method
dvisc	0.0010202	Pa×s	612.07	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	415.50 ± 0.50	K	1.90	NIST Webbook

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17290005&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
dvisc: Dynamic viscosity
hfus: Enthalpy of fusion at standard conditions
ie: Ionization energy
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tbrp: Boiling point at reduced pressure
tf: Normal melting (fusion) point