(Z)-3-(1-Methoxyethylidene)-tricyclo[2.2.1.0(2,6)]h

Inchi: InChI=1S/C10H14O/c1-5(11-2)9-6-3-7-8(4-6)10(7)9/h6-8,10H,3-4H2,1-2H3/b9-5-
InchiKey: QXSCDJIXCHGCEE-UITAMQMPSA-N
Formula: C10H14O
SMILES: COC(C)=C1C2CC3C(C2)C13
Mol. weight [g/mol]: 150.22
CAS: 103582-51-0

Physical Properties

Property code	Value	Unit	Source
gf	163.97	kJ/mol	Joback Method
hf	-105.33	kJ/mol	Joback Method
hfus	21.53	kJ/mol	Joback Method
hvap	40.22	kJ/mol	Joback Method
log10ws	-2.16		Crippen Method
logp	2.193		Crippen Method
mcvol	120.750	ml/mol	McGowan Method
pc	2909.25	kPa	Joback Method
tb	464.15	K	Joback Method
tc	663.68	K	Joback Method
tf	277.71	K	Joback Method
vc	0.483	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	286.54	J/mol×K	464.15	Joback Method
cpg	302.81	J/mol×K	497.40	Joback Method
cpg	317.96	J/mol×K	530.66	Joback Method
cpg	332.08	J/mol×K	563.91	Joback Method
cpg	345.27	J/mol×K	597.17	Joback Method
cpg	357.59	J/mol×K	630.42	Joback Method
cpg	369.14	J/mol×K	663.68	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C103582510&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume