

exo-5-Isopropenyl-2-norbornene

Inchi:	InChI=1S/C10H14/c1-7(2)10-6-8-3-4-9(10)5-8/h3-4,8-10H,1,5-6H2,2H3/t8-,9+,10-/m1/s1
InchiKey:	DMGCMUYMJFRQSK-KXUCPTDWSA-N
Formula:	C10H14
SMILES:	<chem>C=C(C)C1CC2C=CC1C2</chem>
Mol. weight [g/mol]:	134.22

Physical Properties

Property code	Value	Unit	Source
gf	244.26	kJ/mol	Joback Method
hf	42.79	kJ/mol	Joback Method
hfus	15.53	kJ/mol	Joback Method
hvap	37.25	kJ/mol	Joback Method
log10ws	-2.78		Crippen Method
logp	2.775		Crippen Method
mcvol	121.440	ml/mol	McGowan Method
pc	2944.08	kPa	Joback Method
rinpol	970.00		NIST Webbook
tb	437.00	K	Joback Method
tc	644.42	K	Joback Method
tf	215.62	K	Joback Method
vc	0.469	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	255.19	J/mol×K	437.00	Joback Method
cpg	273.17	J/mol×K	471.57	Joback Method
cpg	289.99	J/mol×K	506.14	Joback Method
cpg	305.71	J/mol×K	540.71	Joback Method
cpg	320.40	J/mol×K	575.28	Joback Method
cpg	334.13	J/mol×K	609.85	Joback Method
cpg	346.96	J/mol×K	644.42	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R128095&Units=SI

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
mccvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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