exo-1H-Indene, 3a,4,7,7a-tetrahydro-4,7-ethano

Inchi: InChI=1S/C11H14/c1-2-10-8-4-6-9(7-5-8)11(10)3-1/h1-2,4,6,8-11H,3,5,7H2/t8-,9+,10-,11

InchiKey: MOKDIRQGOJTXJX-YTWAJWBKSA-N

Formula: C11H14

SMILES: C1=CC2C3C=CC(CC3)C2C1

Mol. weight [g/mol]: 146.23

Physical Properties

Property code	Value	Unit	Source
gf	252.00	kJ/mol	Joback Method
hf	30.93	kJ/mol	Joback Method
hfus	17.97	kJ/mol	Joback Method
hvap	40.44	kJ/mol	Joback Method
log10ws	-2.85		Crippen Method
logp	2.775		Crippen Method
mcvol	124.670	ml/mol	McGowan Method
pc	3103.64	kPa	Joback Method
rinpol	1142.00		NIST Webbook
tb	473.49	K	Joback Method
tc	697.09	K	Joback Method
tf	257.79	K	Joback Method
vc	0.477	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.58	J/mol×K	473.49	Joback Method
cpg	307.88	J/mol×K	510.76	Joback Method
cpg	326.67	J/mol×K	548.02	Joback Method
cpg	344.05	J/mol×K	585.29	Joback Method
cpg	360.13	J/mol×K	622.56	Joback Method
cpg	375.02	J/mol×K	659.82	Joback Method
cpg	388.81	J/mol×K	697.09	Joback Method
dvisc	0.0007144	Pa×s	257.79	Joback Method
dvisc	0.0007907	Pa×s	293.74	Joback Method

dvisc	0.0008560	Pa×s	329.69	Joback Method
dvisc	0.0009123	Pa×s	365.64	Joback Method
dvisc	0.0009614	Pa×s	401.59	Joback Method
dvisc	0.0010043	Pa×s	437.54	Joback Method
dvisc	0.0010423	Pa×s	473.49	Joback Method

Sources

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=R128060&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume