Tricyclo[5.2.2.0(2.6)]undecane

Other names: Tricyclo[5.2.2.0(2.6)]undecane
Inchi: InChI=1S/C11H18/c1-2-10-8-4-6-9(7-5-8)11(10)3-1/h8-11H,1-7H2
InchiKey: QQFHDKGHMOYHPI-UHFFFAOYSA-N
Formula: C11H18
SMILES: C1CC2C3CCC(CC3)C2C1
Mol. weight [g/mol]: 150.27

Physical Properties

Property code	Value	Unit	Source
hf	-87.76	kJ/mol	Cheméo Relay (1.0)
hfus	15.52	kJ/mol	Joback Method
hvap	51.58	kJ/mol	Cheméo Relay (1.0)
ie	9.15	eV	NIST Webbook
logp	3.223		Crippen Method
mcvol	133.270	ml/mol	McGowan Method
tb	482.38	K	Cheméo Relay (1.0)
tf	369.27	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	319.54	J/mol×K	475.17	Joback Method
cpg	342.32	J/mol×K	511.67	Joback Method
cpg	363.54	J/mol×K	548.17	Joback Method
cpg	383.31	J/mol×K	584.66	Joback Method
cpg	401.73	J/mol×K	621.16	Joback Method
cpg	418.89	J/mol×K	657.66	Joback Method
cpg	434.88	J/mol×K	694.16	Joback Method
dvisc	0.0010505	Pa×s	256.27	Joback Method
dvisc	0.0010619	Pa×s	292.75	Joback Method
dvisc	0.0010709	Pa×s	329.24	Joback Method
dvisc	0.0010782	Pa×s	365.72	Joback Method
dvisc	0.0010841	Pa×s	402.20	Joback Method
dvisc	0.0010891	Pa×s	438.69	Joback Method

dvisc	0.0010934	Pa×s	475.17	Joback Method

Sources

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):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C38255979&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point