Tetracyclo[6.1.0.02,4.05,7]nonane(1α,2&#945

Other names: Tetracyclo[6.1.0.0
Inchi: InChI=1S/C9H12/c1-4-5(1)7-3-9(7)8-2-6(4)8/h4-9H,1-3H2
InchiKey: KSRIBXUCAQAWHL-UHFFFAOYSA-N
Formula: C9H12
SMILES: C1C2C3CC3C3CC3C12
Mol. weight [g/mol]: 120.19

Physical Properties

Property code	Value	Unit	Source
hf	191.11	kJ/mol	Cheméo Relay (1.0)
hfus	20.05	kJ/mol	Joback Method
hvap	44.45	kJ/mol	Cheméo Relay (1.0)
ie	9.00	eV	NIST Webbook
logp	1.908		Crippen Method
mcvol	94.230	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	215.86	J/mol×K	410.13	Joback Method
cpg	234.21	J/mol×K	443.35	Joback Method
cpg	251.07	J/mol×K	476.57	Joback Method
cpg	266.56	J/mol×K	509.80	Joback Method
cpg	280.79	J/mol×K	543.02	Joback Method
cpg	293.88	J/mol×K	576.24	Joback Method
cpg	305.94	J/mol×K	609.46	Joback Method
dvisc	0.0001232	Pa×s	265.03	Joback Method
dvisc	0.0002345	Pa×s	289.21	Joback Method
dvisc	0.0004043	Pa×s	313.40	Joback Method
dvisc	0.0006447	Pa×s	337.58	Joback Method
dvisc	0.0009657	Pa×s	361.76	Joback Method
dvisc	0.0013753	Pa×s	385.95	Joback Method
dvisc	0.0018785	Pa×s	410.13	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C37831906&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
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

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