

Tricyclo[3.2.2.0^{2,4}]nonane,6,7-bis(m

Other names:	Tricyclo[3.2.2.0
Inchi:	InChI=1S/C11H14/c1-6-7(2)9-4-3-8(6)10-5-11(9)10/h8-11H,1-5H2
InchiKey:	VFIRWPMSWCNRKH-UHFFFAOYSA-N
Formula:	C11H14
SMILES:	C=C1C(=C)C2CCC1C1CC21
Mol. weight [g/mol]:	146.23
CAS:	36439-90-4

Physical Properties

Property code	Value	Unit	Source
gf	322.44	kJ/mol	Joback Method
hf	96.17	kJ/mol	Joback Method
hfus	17.40	kJ/mol	Joback Method
hvap	39.83	kJ/mol	Joback Method
ie	8.38 ± 0.03	eV	NIST Webbook
log10ws	-2.85		Crippen Method
logp	2.775		Crippen Method
mcvol	124.670	ml/mol	McGowan Method
pc	2832.35	kPa	Joback Method
tb	464.95	K	Joback Method
tc	671.36	K	Joback Method
tf	290.67	K	Joback Method
vc	0.489	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.41	J/mol×K	464.95	Joback Method
cpg	305.01	J/mol×K	499.35	Joback Method
cpg	321.43	J/mol×K	533.75	Joback Method
cpg	336.75	J/mol×K	568.15	Joback Method
cpg	351.05	J/mol×K	602.56	Joback Method
cpg	364.41	J/mol×K	636.96	Joback Method
cpg	376.92	J/mol×K	671.36	Joback Method

dvisc	0.0005790	Paxs	290.67	Joback Method
dvisc	0.0007328	Paxs	319.72	Joback Method
dvisc	0.0008918	Paxs	348.76	Joback Method
dvisc	0.0010530	Paxs	377.81	Joback Method
dvisc	0.0012142	Paxs	406.86	Joback Method
dvisc	0.0013738	Paxs	435.90	Joback Method
dvisc	0.0015305	Paxs	464.95	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=C36439904&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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
ie:	Ionization energy
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

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