

3,6-Heptadien-2-ol, 2,5,5-trimethyl-, (E)-

Other names:	Yamogi alcohol Yomogi alcohol (E)-2,5,5-trimethylhepta-3,6-dien-2-ol
Inchi:	InChI=1S/C10H18O/c1-6-9(2,3)7-8-10(4,5)11/h6-8,11H,1H2,2-5H3/b8-7+
InchiKey:	CSMMFGCGBLZIJE-BQYQJAHWSA-N
Formula:	C10H18O
SMILES:	C=CC(C)(C)C=CC(C)(C)O
Mol. weight [g/mol]:	154.25
CAS:	26127-98-0

Physical Properties

Property code	Value	Unit	Source
gf	70.24	kJ/mol	Joback Method
hf	-176.81	kJ/mol	Joback Method
hfus	9.84	kJ/mol	Joback Method
hvap	51.23	kJ/mol	Joback Method
log10ws	-2.85		Crippen Method
logp	2.526		Crippen Method
mcvol	149.030	ml/mol	McGowan Method
pc	2619.09	kPa	Joback Method
rinpol	1000.00		NIST Webbook
rinpol	999.00		NIST Webbook
rinpol	1000.30		NIST Webbook
tb	514.76	K	Joback Method
tc	701.77	K	Joback Method
tf	261.28	K	Joback Method
vc	0.553	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	350.28	J/mol×K	514.76	Joback Method
cpg	364.41	J/mol×K	545.93	Joback Method
cpg	377.62	J/mol×K	577.10	Joback Method

cpg	389.99	J/molxK	608.27	Joback Method
cpg	401.58	J/molxK	639.43	Joback Method
cpg	412.43	J/molxK	670.60	Joback Method
cpg	422.61	J/molxK	701.77	Joback Method
dvisc	0.0565216	Paxs	261.28	Joback Method
dvisc	0.0094188	Paxs	303.53	Joback Method
dvisc	0.0024319	Paxs	345.77	Joback Method
dvisc	0.0008432	Paxs	388.02	Joback Method
dvisc	0.0003600	Paxs	430.27	Joback Method
dvisc	0.0001789	Paxs	472.51	Joback Method
dvisc	0.0000998	Paxs	514.76	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C26127980&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

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

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