

(Z)6,(Z)9-Pentadecadien-1-ol

Inchi:	InChI=1S/C15H28O/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16/h6-7,9-10,16H,2-5,8,11-15
InchiKey:	AVCYGYFZVWNDGB-HZJYTTRNSA-N
Formula:	C15H28O
SMILES:	CCCCC=CCC=CCCCCO
Mol. weight [g/mol]:	224.38
CAS:	77899-11-7

Physical Properties

Property code	Value	Unit	Source
gf	99.04	kJ/mol	Joback Method
hf	-270.72	kJ/mol	Joback Method
hfus	39.10	kJ/mol	Joback Method
hvap	65.58	kJ/mol	Joback Method
log10ws	-5.07		Crippen Method
logp	4.622		Crippen Method
mcvol	219.480	ml/mol	McGowan Method
pc	1649.77	kPa	Joback Method
tb	643.10	K	Joback Method
tc	810.78	K	Joback Method
tf	309.47	K	Joback Method
vc	0.855	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	595.44	J/mol×K	643.10	Joback Method
cpg	610.91	J/mol×K	671.05	Joback Method
cpg	625.70	J/mol×K	698.99	Joback Method
cpg	639.83	J/mol×K	726.94	Joback Method
cpg	653.34	J/mol×K	754.89	Joback Method
cpg	666.26	J/mol×K	782.84	Joback Method
cpg	678.63	J/mol×K	810.78	Joback Method
dvisc	0.0105403	Pa×s	309.47	Joback Method
dvisc	0.0019825	Pa×s	365.08	Joback Method

dvisc	0.0005799	Pa×s	420.68	Joback Method
dvisc	0.0002261	Pa×s	476.29	Joback Method
dvisc	0.0001073	Pa×s	531.89	Joback Method
dvisc	0.0000586	Pa×s	587.50	Joback Method
dvisc	0.0000356	Pa×s	643.10	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=C77899117&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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