

(E)-9,11-DODECADIEN-1-OL

Inchi:	InChI=1S/C12H22O/c1-2-3-4-5-6-7-8-9-10-11-12-13/h2-4,13H,1,5-12H2/b4-3+
InchiKey:	OIMIXJLPJIKPDM-ONEGZZNKSA-N
Formula:	C12H22O
SMILES:	C=C/C=C/CCCCCCCCO
Mol. weight [g/mol]:	182.31

Physical Properties

Property code	Value	Unit	Source
hf	-239.51	kJ/mol	Cheméo Relay (1.0)
hfus	29.85	kJ/mol	Joback Method
hvap	89.83	kJ/mol	Cheméo Relay (1.0)
ie	8.67	eV	Cheméo Relay (1.0)
log10ws	-3.97		Cheméo Relay (1.0)
logp	3.452		Crippen Method
mcvol	177.210	ml/mol	McGowan Method
pc	2096.50	kPa	Joback Method
tb	537.29	K	Cheméo Relay (1.0)
tc	733.60	K	Cheméo Relay (1.0)
tf	302.88	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	439.19	J/mol×K	566.98	Joback Method
cpg	512.88	J/mol×K	732.65	Joback Method
cpg	501.95	J/mol×K	705.04	Joback Method
cpg	490.51	J/mol×K	677.43	Joback Method
cpg	478.54	J/mol×K	649.82	Joback Method
cpg	466.01	J/mol×K	622.20	Joback Method
cpg	452.91	J/mol×K	594.59	Joback Method
dvisc	0.0004761	Pa×s	422.98	Joback Method
dvisc	0.0000753	Pa×s	566.98	Joback Method
dvisc	0.0001243	Pa×s	518.98	Joback Method
dvisc	0.0002272	Pa×s	470.98	Joback Method

dvisc	0.0201966	Pa×s	278.98	Joback Method
dvisc	0.0012060	Pa×s	374.98	Joback Method
dvisc	0.0040130	Pa×s	326.98	Joback Method

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55110797&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):

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
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

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