

1,10-Undecadien-6-ol

Inchi:	InChI=1S/C11H20O/c1-3-5-7-9-11(12)10-8-6-4-2/h3-4,11-12H,1-2,5-10H2
InchiKey:	DBEOIPLDPMSHME-UHFFFAOYSA-N
Formula:	C11H20O
SMILES:	C=CCCCC(O)CCCC=C
Mol. weight [g/mol]:	168.28

Physical Properties

Property code	Value	Unit	Source
gf	78.16	kJ/mol	Joback Method
hf	-177.02	kJ/mol	Joback Method
hfus	22.25	kJ/mol	Joback Method
hvap	55.03	kJ/mol	Joback Method
log10ws	-3.51		Crippen Method
logp	3.060		Crippen Method
mcvol	163.120	ml/mol	McGowan Method
pc	2289.32	kPa	Joback Method
rinpol	1269.00		NIST Webbook
rinpol	1269.00		NIST Webbook
tb	536.18	K	Joback Method
tc	701.98	K	Joback Method
tf	256.03	K	Joback Method
vc	0.626	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	390.04	J/mol×K	536.18	Joback Method
cpg	403.25	J/mol×K	563.81	Joback Method
cpg	415.88	J/mol×K	591.45	Joback Method
cpg	427.96	J/mol×K	619.08	Joback Method
cpg	439.50	J/mol×K	646.71	Joback Method
cpg	450.53	J/mol×K	674.34	Joback Method
cpg	461.07	J/mol×K	701.98	Joback Method
dvisc	0.0455330	Paxs	256.03	Joback Method

dvisc	0.0075931	Paxs	302.72	Joback Method
dvisc	0.0020437	Paxs	349.41	Joback Method
dvisc	0.0007495	Paxs	396.11	Joback Method
dvisc	0.0003397	Paxs	442.80	Joback Method
dvisc	0.0001790	Paxs	489.49	Joback Method
dvisc	0.0001055	Paxs	536.18	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R436376&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

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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