

(6Z,8E)-6,8,10-Undecatrien-3-ol

Inchi:	InChI=1S/C11H20O/c1-3-5-6-7-8-9-10-11(12)4-2/h5-8,11-12H,3-4,9-10H2,1-2H3/b6-5+,8-7
InchiKey:	GJZFGOOEBUECTH-MDAAKZFYSA-N
Formula:	C11H20O
SMILES:	CCC=CC=CCCC(O)CC
Mol. weight [g/mol]:	168.28

Physical Properties

Property code	Value	Unit	Source
gf	62.92	kJ/mol	Joback Method
hf	-193.44	kJ/mol	Joback Method
hfus	25.21	kJ/mol	Joback Method
hvap	56.29	kJ/mol	Joback Method
log10ws	-3.51		Crippen Method
logp	3.060		Crippen Method
mcvol	163.120	ml/mol	McGowan Method
pc	2333.78	kPa	Joback Method
ripol	2008.00		NIST Webbook
ripol	2008.00		NIST Webbook
tb	551.14	K	Joback Method
tc	724.40	K	Joback Method
tf	249.39	K	Joback Method
vc	0.625	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	392.04	J/molxK	551.14	Joback Method
cpg	405.50	J/molxK	580.02	Joback Method
cpg	418.31	J/molxK	608.89	Joback Method
cpg	430.51	J/molxK	637.77	Joback Method
cpg	442.13	J/molxK	666.64	Joback Method
cpg	453.20	J/molxK	695.52	Joback Method
cpg	463.76	J/molxK	724.40	Joback Method
dvisc	0.0553482	Paxs	249.39	Joback Method

dvisc	0.0070793	Paxs	299.68	Joback Method
dvisc	0.0016352	Paxs	349.97	Joback Method
dvisc	0.0005458	Paxs	400.26	Joback Method
dvisc	0.0002328	Paxs	450.56	Joback Method
dvisc	0.0001178	Paxs	500.85	Joback Method
dvisc	0.0000675	Paxs	551.14	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R590980&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cp_g:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
g_f:	Standard Gibbs free energy of formation
h_f:	Enthalpy of formation at standard conditions
h_{fus}:	Enthalpy of fusion at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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