

(6E,8E)-6,8,10-Undecatrien-4-ol

Inchi:	InChI=1S/C11H18O/c1-3-5-6-7-8-10-11(12)9-4-2/h3,5-8,11-12H,1,4,9-10H2,2H3/b6-5+,8
InchiKey:	YAWVREQAXOUSRY-BSWSSELBSA-N
Formula:	C11H18O
SMILES:	C=CC=CC=CCC(O)CCC
Mol. weight [g/mol]:	166.26

Physical Properties

Property code	Value	Unit	Source
gf	150.76	kJ/mol	Joback Method
hf	-68.01	kJ/mol	Joback Method
hfus	23.93	kJ/mol	Joback Method
hvap	55.62	kJ/mol	Joback Method
log10ws	-3.36		Crippen Method
logp	2.836		Crippen Method
mcvol	158.820	ml/mol	McGowan Method
pc	2431.44	kPa	Joback Method
ripol	2002.00		NIST Webbook
tb	547.82	K	Joback Method
tc	724.07	K	Joback Method
tf	247.63	K	Joback Method
vc	0.606	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	372.48	J/molxK	547.82	Joback Method
cpg	385.38	J/molxK	577.19	Joback Method
cpg	397.63	J/molxK	606.57	Joback Method
cpg	409.25	J/molxK	635.94	Joback Method
cpg	420.29	J/molxK	665.32	Joback Method
cpg	430.78	J/molxK	694.69	Joback Method
cpg	440.76	J/molxK	724.07	Joback Method
dvisc	0.0525915	Paxs	247.63	Joback Method
dvisc	0.0069062	Paxs	297.66	Joback Method

dvisc	0.0016267	Paxs	347.69	Joback Method
dvisc	0.0005512	Paxs	397.73	Joback Method
dvisc	0.0002379	Paxs	447.76	Joback Method
dvisc	0.0001216	Paxs	497.79	Joback Method
dvisc	0.0000702	Paxs	547.82	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R590975&Units=SI

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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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