7-Hydroxyfarnesen

Other names: 2,6,10-trimethyldodeca-2,7,9,11-tetraen-6-ol
Inchi: InChI=1S/C15H24O/c1-6-14(4)10-8-12-15(5,16)11-7-9-13(2)3/h6,8-10,12,16H,1,7,11H2,
InchiKey: VJBVZYOKPWWGLN-HBMMGNRNSA-N
Formula: C15H24O
SMILES: C=CC(C)=CC=CC(C)(O)CCC=C(C)C
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	252.84	kJ/mol	Joback Method
hf	-56.40	kJ/mol	Joback Method
hfus	27.99	kJ/mol	Joback Method
hvap	63.73	kJ/mol	Joback Method
log10ws	-4.89		Crippen Method
logp	4.172		Crippen Method
mcvol	210.880	ml/mol	McGowan Method
pc	1827.85	kPa	Joback Method
ripol	2294.00		NIST Webbook
ripol	2273.00		NIST Webbook
tb	640.47	K	Joback Method
tc	828.10	K	Joback Method
tf	277.13	K	Joback Method
vc	0.806	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	554.13	J/mol×K	640.47	Joback Method
cpg	569.45	J/mol×K	671.74	Joback Method
cpg	583.91	J/mol×K	703.01	Joback Method
cpg	597.58	J/mol×K	734.29	Joback Method
cpg	610.54	J/mol×K	765.56	Joback Method
cpg	622.86	J/mol×K	796.83	Joback Method
cpg	634.61	J/mol×K	828.10	Joback Method

Sources

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=U374204&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
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