germacra-4(15),5,10(14)-triene-1-«alpha»-ol

Other names: Germacra-4(15),5,10(14)-trien-1«alpha»-ol
Inchi: InChI=1S/C15H24O/c1-11(2)14-8-5-12(3)6-10-15(16)13(4)7-9-14/h5,8,11,14-16H,3-4,6-7
InchiKey: OSSWBZXPRYZGRO-VZLFFANISA-N
Formula: C15H24O
SMILES: C=C1C=CC(C(C)C)CCC(=C)C(O)CC1
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
hfus	18.58	kJ/mol	Joback Method
logp	3.862		Crippen Method
mcvol	204.320	ml/mol	McGowan Method
rinpol	1686.00		NIST Webbook
rinpol	1680.00		NIST Webbook
rinpol	1680.00		NIST Webbook
rinpol	1680.00		NIST Webbook
rinpol	1684.00		NIST Webbook
rinpol	1681.00		NIST Webbook
rinpol	1686.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	573.91	J/mol×K	663.78	Joback Method
cpg	593.68	J/mol×K	698.13	Joback Method
cpg	612.26	J/mol×K	732.48	Joback Method
cpg	629.66	J/mol×K	766.83	Joback Method
cpg	645.87	J/mol×K	801.18	Joback Method
cpg	660.89	J/mol×K	835.53	Joback Method
cpg	674.71	J/mol×K	869.88	Joback Method
dvisc	0.0098098	Pa×s	321.81	Joback Method
dvisc	0.0016523	Pa×s	378.81	Joback Method
dvisc	0.0004435	Pa×s	435.80	Joback Method
dvisc	0.0001614	Pa×s	492.79	Joback Method

dvisc	0.0000724	Pa×s	549.79	Joback Method
dvisc	0.0000378	Pa×s	606.78	Joback Method
dvisc	0.0000220	Pa×s	663.78	Joback Method

Sources

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):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R411213&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices