

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	1696.00		NIST Webbook
rinpol	1696.00		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

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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=R639986&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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
rinpola:	Non-polar retention indices

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