

Eremophila-1(10),7(11)-dien-2-«alpha»-ol

Inchi:	InChI=1S/C15H24O/c1-10(2)12-5-6-13-7-8-14(16)11(3)15(13,4)9-12/h13-14,16H,3,5-9H2
InchiKey:	ZRRALBDIFL TORZ-NOYMGPGASA-N
Formula:	C15H24O
SMILES:	<chem>C=C1C(O)CCC2CCC(=C(C)C)CC12C</chem>
Mol. weight [g/mol]:	220.35

Physical Properties

Property code	Value	Unit	Source
gf	88.49	kJ/mol	Joback Method
hf	-238.82	kJ/mol	Joback Method
hfus	19.19	kJ/mol	Joback Method
hvap	65.74	kJ/mol	Joback Method
log10ws	-4.49		Crippen Method
logp	3.840		Crippen Method
mvol	197.760	ml/mol	McGowan Method
pc	2181.56	kPa	Joback Method
rinpol	1771.00		NIST Webbook
rinpol	1771.00		NIST Webbook
tb	666.59	K	Joback Method
tc	875.76	K	Joback Method
tf	371.17	K	Joback Method
vc	0.742	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	572.00	J/mol×K	666.59	Joback Method
cpg	590.73	J/mol×K	701.45	Joback Method
cpg	608.54	J/mol×K	736.31	Joback Method
cpg	625.54	J/mol×K	771.17	Joback Method
cpg	641.88	J/mol×K	806.04	Joback Method
cpg	657.66	J/mol×K	840.90	Joback Method
cpg	673.03	J/mol×K	875.76	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R199032&Units=SI
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

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
hvp:	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
rinp:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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