

1,5-Epoxysalvialan-4«alpha»-ol

Inchi:	InChI=1S/C15H26O2/c1-9(2)10-5-7-14(3)11-6-8-15(4,16)13(17-11)12(10)14/h9-13,16H,5
InchiKey:	YEBFCABPNPSILV-DSL CMTKMSA-N
Formula:	C15H26O2
SMILES:	CC(C)C1CCC2(C)C3CCC(C)(O)C(O3)C12
Mol. weight [g/mol]:	238.37

Physical Properties

Property code	Value	Unit	Source
gf	-26.02	kJ/mol	Joback Method
hf	-466.90	kJ/mol	Joback Method
hfus	23.97	kJ/mol	Joback Method
hvap	66.64	kJ/mol	Joback Method
log10ws	-3.51		Crippen Method
logp	2.987		Crippen Method
mcvol	201.370	ml/mol	McGowan Method
pc	2191.78	kPa	Joback Method
rinpol	1691.00		NIST Webbook
rinpol	1691.00		NIST Webbook
ripol	2214.00		NIST Webbook
tb	676.52	K	Joback Method
tc	884.86	K	Joback Method
tf	413.06	K	Joback Method
vc	0.757	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	634.26	J/molxK	676.52	Joback Method
cpg	653.94	J/molxK	711.24	Joback Method
cpg	672.84	J/molxK	745.97	Joback Method
cpg	691.20	J/molxK	780.69	Joback Method
cpg	709.24	J/molxK	815.41	Joback Method
cpg	727.20	J/molxK	850.14	Joback Method
cpg	745.31	J/molxK	884.86	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=R229495&Units=SI

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

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