

10-epi-«gamma»-Eudesmol

Other names:	epi-10- «gamma»-Eudesmol Eudesmol (10-epi- «gamma») «gamma»-Eudesmol, 10-epi-
Inchi:	InChI=1S/C15H26O/c1-11-6-5-8-15(4)9-7-12(10-13(11)15)14(2,3)16/h12,16H,5-10H2,1-4H
InchiKey:	WMOPMQRJLLIEJV-UHFFFAOYSA-N
Formula:	C15H26O
SMILES:	CC1=C2CC(C(C)(C)O)CCC2(C)CCC1
Mol. weight [g/mol]:	222.37
CAS:	15051-81-7

Physical Properties

Property code	Value	Unit	Source
gf	19.75	kJ/mol	Joback Method
hf	-342.87	kJ/mol	Joback Method
hfus	13.30	kJ/mol	Joback Method
hvap	65.35	kJ/mol	Joback Method
log10ws	-4.64		Crippen Method
logp	4.064		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2191.78	kPa	Joback Method
rinpol	1612.00		NIST Webbook
rinpol	1617.00		NIST Webbook
rinpol	1617.00		NIST Webbook
rinpol	1619.00		NIST Webbook
rinpol	1596.00		NIST Webbook
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ripol	2121.00	NIST Webbook

ripol	2090.00		NIST Webbook
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ripol	2118.00		NIST Webbook
ripol	2117.00		NIST Webbook
ripol	2091.00		NIST Webbook
ripol	2089.00		NIST Webbook
ripol	2121.00		NIST Webbook
ripol	2105.00		NIST Webbook
ripol	2084.00		NIST Webbook
tb	671.47	K	Joback Method
tc	884.60	K	Joback Method
tf	393.55	K	Joback Method
vc	0.750	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	596.14	J/mol×K	671.47	Joback Method
cpg	615.41	J/mol×K	706.99	Joback Method
cpg	633.66	J/mol×K	742.51	Joback Method
cpg	651.05	J/mol×K	778.04	Joback Method
cpg	667.73	J/mol×K	813.56	Joback Method
cpg	683.86	J/mol×K	849.08	Joback Method
cpg	699.60	J/mol×K	884.60	Joback Method

Sources

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=C15051817&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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