1,7-Cyclogermacra-1(10),4-dien-15-ol

Inchi: InChI=1S/C15H24O/c1-11(2)15-8-6-12(3)14(15)5-4-13(10-16)7-9-15/h7,11,16H,4-6,8-10
InchiKey: FBAGVYAARYILEN-UHFFFAOYSA-N
Formula: C15H24O
SMILES: CC1=C2CCC(CO)=CCC2(C(C)C)CC1
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	42.51	kJ/mol	Joback Method
hf	-272.75	kJ/mol	Joback Method
hfus	16.95	kJ/mol	Joback Method
hvap	67.52	kJ/mol	Joback Method
log10ws	-4.38		Crippen Method
logp	3.842		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2282.77	kPa	Joback Method
rinpol	1683.00		NIST Webbook
ripol	2519.00		NIST Webbook
tb	683.07	K	Joback Method
tc	891.79	K	Joback Method
tf	393.65	K	Joback Method
vc	0.742	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	568.13	J/mol×K	683.07	Joback Method
cpg	585.48	J/mol×K	717.86	Joback Method
cpg	602.03	J/mol×K	752.64	Joback Method
cpg	617.90	J/mol×K	787.43	Joback Method
cpg	633.24	J/mol×K	822.22	Joback Method
cpg	648.16	J/mol×K	857.00	Joback Method
cpg	662.79	J/mol×K	891.79	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=R397741&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