CIS-ALPHA-COPAENE-8-OL

Other names: Tricyclo[4.4.0.0(2,7)]dec-8-en-4-ol, 2,8-dimethyl-5-(1-methylethyl)-, stereoisomer
Inchi: InChI=1S/C15H24O/c1-8(2)12-11(16)7-15(4)10-6-5-9(3)14(15)13(10)12/h5,8,10-14,16H,
InchiKey: BVCNHEVITXGCEP-UHFFFAOYSA-N
Formula: C15H24O
SMILES: CC1=CCC2C3C(C(C)C)C(O)CC2(C)C13
Mol. weight [g/mol]: 220.36

Physical Properties

Property code	Value	Unit	Source
hfus	25.22	kJ/mol	Joback Method
logp	3.242		Crippen Method
mcvol	191.200	ml/mol	McGowan Method
rinpol	1624.30		NIST Webbook
rinpol	1595.00		NIST Webbook
rinpol	1595.00		NIST Webbook
ripol	2091.00		NIST Webbook
ripol	2091.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	577.68	J/mol×K	649.20	Joback Method
cpg	596.22	J/mol×K	682.46	Joback Method
cpg	613.82	J/mol×K	715.72	Joback Method
cpg	630.63	J/mol×K	748.99	Joback Method
cpg	646.79	J/mol×K	782.25	Joback Method
cpg	662.43	J/mol×K	815.51	Joback Method
cpg	677.71	J/mol×K	848.77	Joback Method

Sources

Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C58569258&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices