cis-«gamma»-cadinene

Inchi: InChI=1S/C15H24/c1-10(2)13-8-6-12(4)14-7-5-11(3)9-15(13)14/h9-10,13-15H,4-8H2,1-3
InchiKey: WRHGORWNJGOVQY-SOUVJXGZSA-N
Formula: C15H24
SMILES: C=C1CCC(C(C)C)C2C=C(C)CCC12
Mol. weight [g/mol]: 204.35

Physical Properties

Property code	Value	Unit	Source
hfus	19.70	kJ/mol	Joback Method
logp	4.581		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1512.00		NIST Webbook
rinpol	1510.00		NIST Webbook
rinpol	1508.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
rinpol	1511.00		NIST Webbook
ripol	1752.00		NIST Webbook
ripol	1765.00		NIST Webbook
ripol	1766.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.64	J/mol×K	571.35	Joback Method
cpg	524.63	J/mol×K	607.05	Joback Method
cpg	546.31	J/mol×K	642.74	Joback Method

cpg	566.71	J/mol×K	678.44	Joback Method
cpg	585.88	J/mol×K	714.14	Joback Method
cpg	603.88	J/mol×K	749.83	Joback Method
cpg	620.74	J/mol×K	785.53	Joback Method
dvisc	0.0022043	Pa×s	288.33	Joback Method
dvisc	0.0013305	Pa×s	335.50	Joback Method
dvisc	0.0009095	Pa×s	382.67	Joback Method
dvisc	0.0006759	Pa×s	429.84	Joback Method
dvisc	0.0005326	Pa×s	477.01	Joback Method
dvisc	0.0004381	Pa×s	524.18	Joback Method
dvisc	0.0003722	Pa×s	571.35	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R239308&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
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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