cis-Muurola-3,5-diene

Other names: Muurola-3,5-diene
Inchi: InChI=1S/C15H24/c1-10(2)13-8-6-12(4)14-7-5-11(3)9-15(13)14/h8-12,14H,5-7H2,1-4H3/
InchiKey: JOCWPECWTZZSSX-UHFFFAOYSA-N
Formula: C15H24
SMILES: CC(C)C1=CC[C@H](C)C2CC[C@H](C)C=C12
Mol. weight [g/mol]: 204.36

Physical Properties

Property code	Value	Unit	Source
hfus	21.69	kJ/mol	Joback Method
logp	4.581		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
rinpol	1405.00		NIST Webbook
rinpol	1444.00		NIST Webbook
rinpol	1440.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1447.00		NIST Webbook
rinpol	1453.00		NIST Webbook
rinpol	1444.00		NIST Webbook
rinpol	1438.00		NIST Webbook
rinpol	1444.00		NIST Webbook
rinpol	1438.00		NIST Webbook
rinpol	1456.00		NIST Webbook
rinpol	1444.00		NIST Webbook
rinpol	1438.00		NIST Webbook
rinpol	1446.00		NIST Webbook
rinpol	1418.00		NIST Webbook
rinpol	1452.00		NIST Webbook
rinpol	1414.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1438.00		NIST Webbook
rinpol	1447.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1444.00		NIST Webbook
ripol	1746.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	503.29	J/mol×K	576.33	Joback Method
cpg	621.19	J/mol×K	791.72	Joback Method
cpg	604.51	J/mol×K	755.83	Joback Method
cpg	586.71	J/mol×K	719.93	Joback Method
cpg	567.74	J/mol×K	684.03	Joback Method
cpg	547.54	J/mol×K	648.13	Joback Method
cpg	526.08	J/mol×K	612.23	Joback Method
dvisc	0.0006213	Pa×s	432.13	Joback Method
dvisc	0.0003401	Pa×s	576.33	Joback Method
dvisc	0.0004008	Pa×s	528.26	Joback Method
dvisc	0.0004882	Pa×s	480.20	Joback Method
dvisc	0.0020754	Pa×s	287.93	Joback Method
dvisc	0.0008398	Pa×s	384.06	Joback Method
dvisc	0.0012375	Pa×s	336.00	Joback Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R237491&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

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