

Muurola-4(14),5-diene

Inchi:

lnchl=1S/C15H24/c1-10(2)13-8-6-12(4)14-7-5-11(3)9-15(13)14/h9-10,12-14H,3,5-8H2,1

InchiKey:

RNDFUOKDULDZPR-MOKVOYLWSA-N

Formula:

C15H24

SMILES:

C=C1C=C2C(C(C)C)CCC(C)C2CC1

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	1467.00		NIST Webbook
rinpol	1461.00		NIST Webbook
ripol	1628.00		NIST Webbook
ripol	1628.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.64	J/mol×K	571.35	Joback Method
cpg	620.74	J/mol×K	785.53	Joback Method
cpg	603.88	J/mol×K	749.83	Joback Method
cpg	585.88	J/mol×K	714.14	Joback Method
cpg	566.71	J/mol×K	678.44	Joback Method
cpg	546.31	J/mol×K	642.74	Joback Method
cpg	524.63	J/mol×K	607.05	Joback Method
dvisc	0.0006759	Pa×s	429.84	Joback Method
dvisc	0.0003722	Pa×s	571.35	Joback Method
dvisc	0.0004381	Pa×s	524.18	Joback Method
dvisc	0.0005326	Pa×s	477.01	Joback Method
dvisc	0.0022043	Pa×s	288.33	Joback Method
dvisc	0.0009095	Pa×s	382.67	Joback Method
dvisc	0.0013305	Pa×s	335.50	Joback Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R344311&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

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