

trans-Muurola-3,5-diene

Other names:	E-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/h5,9-10,12-14H,6-8H2,1
InchiKey:	JOCWPECWTZZSSX-WLDKUNSKSA-N
Formula:	C15H24
SMILES:	CC1=CCC2C(=C1)C(C(C)C)CCC2C
Mol. weight [g/mol]:	204.35

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	1450.00		NIST Webbook
rinpol	1455.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1467.00		NIST Webbook
rinpol	1451.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1407.00		NIST Webbook
rinpol	1450.00		NIST Webbook
rinpol	1454.00		NIST Webbook
rinpol	1454.00		NIST Webbook
rinpol	1454.00		NIST Webbook
rinpol	1484.00		NIST Webbook
rinpol	1454.00		NIST Webbook
rinpol	1454.00		NIST Webbook
rinpol	1467.00		NIST Webbook
rinpol	1450.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	503.29	J/mol×K	576.33	Joback Method
cpg	526.08	J/mol×K	612.23	Joback Method

cpg	547.54	J/mol×K	648.13	Joback Method
cpg	567.74	J/mol×K	684.03	Joback Method
cpg	586.71	J/mol×K	719.93	Joback Method
cpg	604.51	J/mol×K	755.83	Joback Method
cpg	621.19	J/mol×K	791.72	Joback Method
dvisc	0.0020754	Pa×s	287.93	Joback Method
dvisc	0.0012375	Pa×s	336.00	Joback Method
dvisc	0.0008398	Pa×s	384.06	Joback Method
dvisc	0.0006213	Pa×s	432.13	Joback Method
dvisc	0.0004882	Pa×s	480.20	Joback Method
dvisc	0.0004008	Pa×s	528.26	Joback Method
dvisc	0.0003401	Pa×s	576.33	Joback Method

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R302060&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):

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

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