

trans-Muurola-4(14),5-diene

Other names:trans-Murrola-4(14),5-diene
(E)-Muurola-4(14),5-diene

Inchi:InChI=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-WLDKUNSKSA-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	1497.00		NIST Webbook
rinpol	1494.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1494.00		NIST Webbook
rinpol	1494.00		NIST Webbook
rinpol	1506.00		NIST Webbook
rinpol	1495.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1497.00		NIST Webbook
rinpol	1494.00		NIST Webbook
rinpol	1494.00		NIST Webbook
rinpol	1490.00		NIST Webbook
rinpol	1499.00		NIST Webbook
rinpol	1489.00		NIST Webbook
rinpol	1508.00		NIST Webbook
rinpol	1519.00		NIST Webbook
rinpol	1461.50		NIST Webbook
rinpol	1495.00		NIST Webbook
rinpol	1490.00		NIST Webbook
rinpol	1494.00		NIST Webbook

rinpol	1494.00	NIST Webbook
rinpol	1494.00	NIST Webbook
rinpol	1494.00	NIST Webbook
rinpol	1506.00	NIST Webbook
ripol	1711.00	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

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):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R281720&Units=SI

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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