FURAN, TETRAHYDRO-2,2-DIMETHYL-5-(1-METHYL-1-PR

Other names: 2,2-dimethyl-5-(1 -methyl-1-propenyl)-tetrahydrofuran
2,2-dimethyl-5-(1-methylpropenyl)tetrahydrofuran
Tetrahydrofuran, 2,2-dimethyl-5-(1-methylpropenyl)

Inchi: InChI=1S/C10H18O/c1-5-8(2)9-6-7-10(3,4)11-9/h5,9H,6-7H2,1-4H3/b8-5+

InchiKey: LPEYLSKLVYWOEQ-VMPITWQZSA-N

Formula: C10H18O

SMILES: C/C=C(\C)C1CCC(C)(C)O1

Mol. weight [g/mol]: 154.25

Physical Properties

Property code	Value	Unit	Source
hfus	17.24	kJ/mol	Joback Method
logp	2.910		Crippen Method
mcvol	142.470	ml/mol	McGowan Method
rinpol	1045.60		NIST Webbook
rinpol	1045.60		NIST Webbook
rinpol	1049.00		NIST Webbook
rinpol	1035.00		NIST Webbook
rinpol	1049.00		NIST Webbook
rinpol	1035.00		NIST Webbook
ripol	1253.00		NIST Webbook
ripol	1237.00		NIST Webbook
ripol	1198.00		NIST Webbook
ripol	1198.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	318.73	J/mol×K	470.04	Joback Method
cpg	337.23	J/mol×K	505.14	Joback Method
cpg	354.49	J/mol×K	540.25	Joback Method
cpg	370.63	J/mol×K	575.35	Joback Method
cpg	385.77	J/mol×K	610.45	Joback Method
cpg	400.02	J/mol×K	645.55	Joback Method

cpg	413.51	J/mol×K	680.66	Joback Method

Sources

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=C7416355&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
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