SPIRO[4.5]DECAN-7-ONE, 1,8-DIMETHYL-4-(1-METHYLETHYL)-

Other names: 1-Isopropyl-4,8-dimethylspiro[4.5]decan-7-one
Inchi: InChI=1S/C15H26O/c1-10(2)13-6-5-12(4)15(13)8-7-11(3)14(16)9-15/h10-13H,5-9H2,1-4
InchiKey: HGEHVVBKUMPQRX-UHFFFAOYSA-N
Formula: C15H26O
SMILES: CC1CCC2(CC1=O)C(C)CCC2C(C)C
Mol. weight [g/mol]: 222.37

Physical Properties

Property code	Value	Unit	Source
hfus	14.31	kJ/mol	Joback Method
logp	4.064		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
rinpol	1681.70		NIST Webbook
rinpol	1681.70		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	586.44	J/mol×K	631.44	Joback Method
cpg	611.29	J/mol×K	669.89	Joback Method
cpg	634.74	J/mol×K	708.34	Joback Method
cpg	656.91	J/mol×K	746.79	Joback Method
cpg	677.92	J/mol×K	785.24	Joback Method
cpg	697.92	J/mol×K	823.68	Joback Method
cpg	717.02	J/mol×K	862.13	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C39510264&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):	
Cheméo Relay (1.0, beta):	

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