CYCLOPENTANONE, 3-[3,5-DECADIENYL]-, (E,E)-

Inchi: InChI=1S/C15H24O/c1-2-3-4-5-6-7-8-9-10-14-11-12-15(16)13-14/h5-8,14H,2-4,9-13H2,1

InchiKey: MUCZESFIYHKOBE-BSWSSELBSA-N

Formula: C15H24O

SMILES: CCCC/C=C/C=C/CCC1CCC(=O)C1

Mol. weight [g/mol]: 220.36

Physical Properties

Property code	Value	Unit	Source
hfus	28.46	kJ/mol	Joback Method
logp	4.438		Crippen Method
mcvol	204.320	ml/mol	McGowan Method
rinpol	1735.00		NIST Webbook
rinpol	1735.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	554.01	J/mol×K	634.02	Joback Method
cpg	573.85	J/mol×K	668.60	Joback Method
cpg	592.59	J/mol×K	703.18	Joback Method
cpg	610.25	J/mol×K	737.75	Joback Method
cpg	626.90	J/mol×K	772.33	Joback Method
cpg	642.58	J/mol×K	806.91	Joback Method
cpg	657.34	J/mol×K	841.49	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=U131997&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