epi- «alpha»-Muurolene

Inchi: InChI=1S/C15H24/c1-10(2)13-8-6-12(4)14-7-5-11(3)9-15(13)14/h6,9-10,13-15H,5,7-8H2
InchiKey: QMAYBMKBYCGXDH-SOUVJXGZSA-N
Formula: C15H24
SMILES: CC1=CC2C(CC1)C(C)=CCC2C(C)C
Mol. weight [g/mol]: 204.35

Physical Properties

Property code	Value	Unit	Source
hf	-60.41	kJ/mol	Cheméo Relay (1.0)
hfus	21.69	kJ/mol	Joback Method
hvap	64.43	kJ/mol	Cheméo Relay (1.0)
logp	4.581		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
rinpol	1644.00		NIST Webbook
rinpol	1644.00		NIST Webbook
tb	530.66	K	Cheméo Relay (1.0)

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

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R435813&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
dvisc:	Dynamic viscosity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature