3,9-Oxy-mentha-1,8(10)-diene

Other names: 3,9-Oxy-mentha-1,8(10)-diene
Inchi: InChI=1S/C10H14O/c1-7-3-4-9-8(2)6-11-10(9)5-7/h5,9-10H,2-4,6H2,1H3
InchiKey: FQRAKZWEBJPGTM-UHFFFAOYSA-N
Formula: C10H14O
SMILES: C=C1COC2C=C(C)CCC12
Mol. weight [g/mol]: 150.22

Physical Properties

Property code	Value	Unit	Source
hfus	19.28	kJ/mol	Joback Method
logp	2.298		Crippen Method
mcvol	127.310	ml/mol	McGowan Method
rinpol	1168.00		NIST Webbook
rinpol	1182.00		NIST Webbook
rinpol	1182.00		NIST Webbook
ripol	1551.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	288.66	J/mol×K	484.74	Joback Method
cpg	377.00	J/mol×K	702.52	Joback Method
cpg	364.53	J/mol×K	666.23	Joback Method
cpg	351.22	J/mol×K	629.93	Joback Method
cpg	337.02	J/mol×K	593.63	Joback Method
cpg	321.90	J/mol×K	557.33	Joback Method
cpg	305.79	J/mol×K	521.04	Joback Method
dvisc	0.0008138	Pa×s	383.02	Joback Method
dvisc	0.0005285	Pa×s	484.74	Joback Method
dvisc	0.0005972	Pa×s	450.83	Joback Method
dvisc	0.0006884	Pa×s	416.93	Joback Method
dvisc	0.0017120	Pa×s	281.31	Joback Method
dvisc	0.0009937	Pa×s	349.12	Joback Method
dvisc	0.0012667	Pa×s	315.21	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=R325216&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