Methanol, tri-2-norbornyl-

Inchi: InChI=1S/C22H34O/c23-22(19-10-13-1-4-16(19)7-13,20-11-14-2-5-17(20)8-14)21-12-15-
InchiKey: JNDULIIEHFWRQA-UHFFFAOYSA-N
Formula: C22H34O
SMILES: OC(C1CC2CCC1C2)(C1CC2CCC1C2)C1CC2CCC1C2
Mol. weight [g/mol]: 314.51

Physical Properties

Property code	Value	Unit	Source
hf	-373.67	kJ/mol	Cheméo Relay (1.0)
hfus	35.13	kJ/mol	Joback Method
hvap	112.84	kJ/mol	Cheméo Relay (1.0)
ie	8.81	eV	Cheméo Relay (1.0)
logp	5.026		Crippen Method
mcvol	261.550	ml/mol	McGowan Method
tb	655.00	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	981.25	J/mol×K	830.95	Joback Method
cpg	1004.47	J/mol×K	868.38	Joback Method
cpg	1026.49	J/mol×K	905.80	Joback Method
cpg	1047.56	J/mol×K	943.23	Joback Method
cpg	1067.90	J/mol×K	980.65	Joback Method
cpg	1087.75	J/mol×K	1018.08	Joback Method
cpg	1107.36	J/mol×K	1055.50	Joback Method
dvisc	0.0156000	Pa×s	485.30	Joback Method
dvisc	0.0121474	Pa×s	542.91	Joback Method
dvisc	0.0099240	Pa×s	600.52	Joback Method
dvisc	0.0083996	Pa×s	658.12	Joback Method
dvisc	0.0073029	Pa×s	715.73	Joback Method
dvisc	0.0064831	Pa×s	773.34	Joback Method
dvisc	0.0058511	Pa×s	830.95	Joback Method

Sources

Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17687751&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

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
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature