

# 1-Methoxy-2,20-dimethyltricosane

<b>Inchi:</b>	InChI=1S/C26H54O/c1-5-21-25(2)22-19-17-15-13-11-9-7-6-8-10-12-14-16-18-20-23-26(3)
<b>InchiKey:</b>	JDCIEXKEXKKWHB-UHFFFAOYSA-N
<b>Formula:</b>	C26H54O
<b>SMILES:</b>	CCCC(C)CCCCCCCCCCCCCCCCCCC(C)COC
<b>Mol. weight [g/mol]:</b>	382.71

## Physical Properties

Property code	Value	Unit	Source
gf	58.16	kJ/mol	Joback Method
hf	-722.75	kJ/mol	Joback Method
hfus	57.24	kJ/mol	Joback Method
hvap	75.10	kJ/mol	Joback Method
log10ws	-9.31		Crippen Method
logp	9.337		Crippen Method
mcvol	383.070	ml/mol	McGowan Method
pc	724.57	kPa	Joback Method
rinpol	2625.00		NIST Webbook
tb	815.82	K	Joback Method
tc	998.80	K	Joback Method
tf	375.01	K	Joback Method
vc	1.498	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1253.40	J/molxK	815.82	Joback Method
cpg	1277.41	J/molxK	846.32	Joback Method
cpg	1300.17	J/molxK	876.81	Joback Method
cpg	1321.73	J/molxK	907.31	Joback Method
cpg	1342.12	J/molxK	937.80	Joback Method
cpg	1361.39	J/molxK	968.30	Joback Method
cpg	1379.57	J/molxK	998.80	Joback Method
dvisc	0.0019511	Paxs	375.01	Joback Method
dvisc	0.0005363	Paxs	448.48	Joback Method

dvisc	0.0002121	Paxs	521.95	Joback Method
dvisc	0.0001054	Paxs	595.41	Joback Method
dvisc	0.0000611	Paxs	668.88	Joback Method
dvisc	0.0000395	Paxs	742.35	Joback Method
dvisc	0.0000276	Paxs	815.82	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R547134&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R547134&amp;Units=SI</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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