

# Methyl eicosa-5,8,11,14,17-pentaenoate

<b>Other names:</b>	Eicosapentaenoic acid, methyl ester
<b>Inchi:</b>	InChI=1S/C21H32O2/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21(22)23-2/h
<b>InchiKey:</b>	QWDCYFDDFPWISL-ZACMJQCDSA-N
<b>Formula:</b>	C21H32O2
<b>SMILES:</b>	CCC=CCC=CCC=CCC=CCC=CCCC(=O)OC
<b>Mol. weight [g/mol]:</b>	316.48
<b>CAS:</b>	1191-65-7

## Physical Properties

Property code	Value	Unit	Source
gf	293.12	kJ/mol	Joback Method
hf	-135.47	kJ/mol	Joback Method
hfus	53.94	kJ/mol	Joback Method
hvap	71.29	kJ/mol	Joback Method
log10ws	-6.74		Crippen Method
logp	6.081		Crippen Method
mcvol	292.690	ml/mol	McGowan Method
pc	1166.43	kPa	Joback Method
ripol	2174.00		NIST Webbook
ripol	2174.00		NIST Webbook
tb	776.97	K	Joback Method
tc	968.10	K	Joback Method
tf	373.19	K	Joback Method
vc	1.135	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	848.88	J/molxK	776.97	Joback Method
cpg	866.46	J/molxK	808.82	Joback Method
cpg	883.21	J/molxK	840.68	Joback Method
cpg	899.21	J/molxK	872.53	Joback Method
cpg	914.55	J/molxK	904.39	Joback Method
cpg	929.29	J/molxK	936.24	Joback Method

cpg	943.52	J/molxK	968.10	Joback Method
dvisc	0.0010789	Paxs	373.19	Joback Method
dvisc	0.0003818	Paxs	440.49	Joback Method
dvisc	0.0001780	Paxs	507.78	Joback Method
dvisc	0.0000992	Paxs	575.08	Joback Method
dvisc	0.0000625	Paxs	642.38	Joback Method
dvisc	0.0000430	Paxs	709.67	Joback Method
dvisc	0.0000315	Paxs	776.97	Joback Method

## Sources

<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=C1191657&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1191657&amp;Units=SI</a>
<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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</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>ripol:</b>	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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