

# L-Methionine, N-(m-anisoyl)-, methyl ester

<b>Inchi:</b>	InChI=1S/C14H19NO4S/c1-18-11-6-4-5-10(9-11)13(16)15-12(7-8-20-3)14(17)19-2/h4-6,
<b>InchiKey:</b>	ZNDSRJKZHFSSDL-UHFFFAOYSA-N
<b>Formula:</b>	C14H19NO4S
<b>SMILES:</b>	<chem>COC(=O)C(CCSC)NC(=O)c1cccc(OC)c1</chem>
<b>Mol. weight [g/mol]:</b>	297.37

## Physical Properties

Property code	Value	Unit	Source
gf	-177.99	kJ/mol	Joback Method
hf	-506.77	kJ/mol	Joback Method
hfus	36.95	kJ/mol	Joback Method
hvap	80.87	kJ/mol	Joback Method
log10ws	-2.89		Crippen Method
logp	1.720		Crippen Method
mvol	225.570	ml/mol	McGowan Method
pc	2233.41	kPa	Joback Method
rinpol	2354.00		NIST Webbook
rinpol	2354.00		NIST Webbook
tb	822.47	K	Joback Method
tc	1045.51	K	Joback Method
tf	502.86	K	Joback Method
vc	0.843	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	647.85	J/molxK	822.47	Joback Method
cpg	660.80	J/molxK	859.64	Joback Method
cpg	672.57	J/molxK	896.82	Joback Method
cpg	683.16	J/molxK	933.99	Joback Method
cpg	692.59	J/molxK	971.16	Joback Method
cpg	700.84	J/molxK	1008.34	Joback Method
cpg	707.93	J/molxK	1045.51	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=U299711&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U299711&amp;Units=SI</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<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>hvp:</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>rinp:</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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