

# Mono ethyl adipate

<b>Inchi:</b>	InChI=1S/C8H14O4/c1-2-12-8(11)6-4-3-5-7(9)10/h2-6H2,1H3,(H,9,10)
<b>InchiKey:</b>	UZNLHJCCGYKCIL-UHFFFAOYSA-N
<b>Formula:</b>	C8H14O4
<b>SMILES:</b>	CCOC(=O)CCCC(=O)O
<b>Mol. weight [g/mol]:</b>	174.19

## Physical Properties

Property code	Value	Unit	Source
gf	-483.18	kJ/mol	Joback Method
hf	-718.06	kJ/mol	Joback Method
hfus	24.95	kJ/mol	Joback Method
hvap	65.98	kJ/mol	Joback Method
log10ws	-1.13		Crippen Method
logp	1.194		Crippen Method
mcvol	138.460	ml/mol	McGowan Method
pc	3138.51	kPa	Joback Method
tb	604.78	K	Joback Method
tc	781.41	K	Joback Method
tf	362.83	K	Joback Method
vc	0.532	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	348.85	J/molxK	604.78	Joback Method
cpg	394.42	J/molxK	751.97	Joback Method
cpg	386.17	J/molxK	722.54	Joback Method
cpg	377.50	J/molxK	693.10	Joback Method
cpg	368.39	J/molxK	663.66	Joback Method
cpg	358.84	J/molxK	634.22	Joback Method
cpg	402.24	J/molxK	781.41	Joback Method
dvisc	0.0000932	Paxs	604.78	Joback Method
dvisc	0.0001392	Paxs	564.45	Joback Method
dvisc	0.0002213	Paxs	524.13	Joback Method

dvisc	0.0003798	Paxs	483.80	Joback Method
dvisc	0.0007193	Paxs	443.48	Joback Method
dvisc	0.0015479	Paxs	403.15	Joback Method
dvisc	0.0039495	Paxs	362.83	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=B6000962&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000962&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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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>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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