

# Ethyl pipercolinate

<b>Other names:</b>	2-Piperidinecarboxylic acid, ethyl ester ethyl piperidine-2-carboxylate
<b>Inchi:</b>	InChI=1S/C8H15NO2/c1-2-11-8(10)7-5-3-4-6-9-7/h7,9H,2-6H2,1H3
<b>InchiKey:</b>	SZIKRGHFZTYTIT-UHFFFAOYSA-N
<b>Formula:</b>	C8H15NO2
<b>SMILES:</b>	CCOC(=O)C1CCCCN1
<b>Mol. weight [g/mol]:</b>	157.21
<b>CAS:</b>	15862-72-3

## Physical Properties

Property code	Value	Unit	Source
gf	-105.28	kJ/mol	Joback Method
hf	-361.12	kJ/mol	Joback Method
hfus	20.69	kJ/mol	Joback Method
hvap	49.75	kJ/mol	Joback Method
log10ws	-1.23		Crippen Method
logp	0.692		Crippen Method
mvol	130.140	ml/mol	McGowan Method
pc	3419.86	kPa	Joback Method
tb	526.83	K	Joback Method
tc	743.86	K	Joback Method
tf	364.49	K	Joback Method
vc	0.477	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	307.11	J/molxK	526.83	Joback Method
cpg	323.36	J/molxK	563.00	Joback Method
cpg	338.81	J/molxK	599.17	Joback Method
cpg	353.45	J/molxK	635.35	Joback Method
cpg	367.28	J/molxK	671.52	Joback Method
cpg	380.31	J/molxK	707.69	Joback Method
cpg	392.53	J/molxK	743.86	Joback Method

# Sources

<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=C15862723&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C15862723&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

# 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>h vap:</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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