

# 3-Ethoxybenzhydrazide

<b>Other names:</b>	m-Ethoxy benzhydrazide
<b>Inchi:</b>	InChI=1S/C9H12N2O2/c1-2-13-8-5-3-4-7(6-8)9(12)11-10/h3-6H,2,10H2,1H3,(H,11,12)
<b>InchiKey:</b>	ROKJUCOMVRXSAC-UHFFFAOYSA-N
<b>Formula:</b>	C9H12N2O2
<b>SMILES:</b>	CCOc1cccc(C(=O)NN)c1
<b>Mol. weight [g/mol]:</b>	180.20
<b>CAS:</b>	27830-16-6

## Physical Properties

Property code	Value	Unit	Source
gf	49.60	kJ/mol	Joback Method
hf	-161.57	kJ/mol	Joback Method
hfus	25.80	kJ/mol	Joback Method
hvap	64.80	kJ/mol	Joback Method
log10ws	-2.36		Crippen Method
logp	0.689		Crippen Method
mcvol	141.310	ml/mol	McGowan Method
pc	3673.09	kPa	Joback Method
tb	635.97	K	Joback Method
tc	860.95	K	Joback Method
tf	438.21	K	Joback Method
vc	0.519	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	356.51	J/molxK	635.97	Joback Method
cpg	368.64	J/molxK	673.47	Joback Method
cpg	379.97	J/molxK	710.96	Joback Method
cpg	390.52	J/molxK	748.46	Joback Method
cpg	400.31	J/molxK	785.96	Joback Method
cpg	409.35	J/molxK	823.45	Joback Method
cpg	417.67	J/molxK	860.95	Joback Method

# Sources

<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>
<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=C27830166&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C27830166&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>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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