

# Quinonamid

<b>Inchi:</b>	InChI=1S/C13H8Cl3NO3/c14-8(15)5-9(18)17-11-10(16)12(19)6-3-1-2-4-7(6)13(11)20/h1
<b>InchiKey:</b>	ZIEWAMOXCOLNSJ-UHFFFAOYSA-N
<b>Formula:</b>	C13H8Cl3NO3
<b>SMILES:</b>	O=C(CC(Cl)Cl)NC1=C(Cl)C(=O)c2ccccc2C1=O
<b>Mol. weight [g/mol]:</b>	332.57

## Physical Properties

Property code	Value	Unit	Source
gf	-94.52	kJ/mol	Joback Method
hf	-351.78	kJ/mol	Joback Method
hfus	33.27	kJ/mol	Joback Method
hvap	83.92	kJ/mol	Joback Method
log10ws	-5.03		Estimated Solubility Method
logp	2.826		Crippen Method
mcvol	206.520	ml/mol	McGowan Method
pc	2732.56	kPa	Joback Method
tb	904.83	K	Joback Method
tc	1165.65	K	Joback Method
tf	633.46	K	Joback Method
vc	0.787	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	537.81	J/mol×K	904.83	Joback Method
cpg	546.63	J/mol×K	948.30	Joback Method
cpg	554.16	J/mol×K	991.77	Joback Method
cpg	560.40	J/mol×K	1035.24	Joback Method
cpg	565.34	J/mol×K	1078.71	Joback Method
cpg	569.00	J/mol×K	1122.18	Joback Method
cpg	571.35	J/mol×K	1165.65	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>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>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>Estimated Solubility Method:</b>	<a href="http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt">http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt</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>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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