

# sulfuryl acetate

<b>Inchi:</b>	InChI=1S/C4H6O6S/c1-3(5)9-11(7,8)10-4(2)6/h1-2H3
<b>InchiKey:</b>	DAGINYYFSALQDF-UHFFFAOYSA-N
<b>Formula:</b>	C4H6O6S
<b>SMILES:</b>	CC(=O)OS(=O)(=O)OC(C)=O
<b>Mol. weight [g/mol]:</b>	182.15

## Physical Properties

Property code	Value	Unit	Source
gf	-953.58	kJ/mol	Joback Method
hf	-1068.84	kJ/mol	Joback Method
hfus	23.07	kJ/mol	Joback Method
hvap	61.44	kJ/mol	Joback Method
log10ws	-0.04		Crippen Method
logp	-0.643		Crippen Method
mvol	110.190	ml/mol	McGowan Method
pc	5446.55	kPa	Joback Method
rinpol	1352.00		NIST Webbook
rinpol	1352.00		NIST Webbook
tb	491.28	K	Joback Method
tc	678.31	K	Joback Method
tf	317.72	K	Joback Method
vc	0.433	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	227.02	J/mol×K	491.28	Joback Method
cpg	234.78	J/mol×K	522.45	Joback Method
cpg	242.33	J/mol×K	553.62	Joback Method
cpg	249.63	J/mol×K	584.80	Joback Method
cpg	256.66	J/mol×K	615.97	Joback Method
cpg	263.39	J/mol×K	647.14	Joback Method
cpg	269.79	J/mol×K	678.31	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=R257084&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R257084&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>

# 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>rinpola:</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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