

# Propyl pyruvate

<b>Inchi:</b>	InChI=1S/C6H10O3/c1-3-4-9-6(8)5(2)7/h3-4H2,1-2H3
<b>InchiKey:</b>	ILPVOWZUBFRIAX-UHFFFAOYSA-N
<b>Formula:</b>	C6H10O3
<b>SMILES:</b>	CCCOC(=O)C(C)=O
<b>Mol. weight [g/mol]:</b>	130.14

## Physical Properties

Property code	Value	Unit	Source
gf	-363.20	kJ/mol	Joback Method
hf	-524.55	kJ/mol	Joback Method
hfus	15.68	kJ/mol	Joback Method
hvap	44.85	kJ/mol	Joback Method
log10ws	-0.48		Crippen Method
logp	0.529		Crippen Method
mcvol	104.410	ml/mol	McGowan Method
pc	3522.09	kPa	Joback Method
rinpola	870.00		NIST Webbook
tb	466.84	K	Joback Method
tc	655.65	K	Joback Method
tf	279.47	K	Joback Method
vc	0.402	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	215.00	J/molxK	466.84	Joback Method
cpg	224.34	J/molxK	498.31	Joback Method
cpg	233.35	J/molxK	529.78	Joback Method
cpg	242.00	J/molxK	561.25	Joback Method
cpg	250.31	J/molxK	592.71	Joback Method
cpg	258.27	J/molxK	624.18	Joback Method
cpg	265.88	J/molxK	655.65	Joback Method
dvisc	0.0026736	Paxs	279.47	Joback Method
dvisc	0.0015646	Paxs	310.70	Joback Method

dvisc	0.0010097	Paxs	341.93	Joback Method
dvisc	0.0007012	Paxs	373.16	Joback Method
dvisc	0.0005151	Paxs	404.38	Joback Method
dvisc	0.0003956	Paxs	435.61	Joback Method
dvisc	0.0003147	Paxs	466.84	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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=R11894&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R11894&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>

## 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>rinpol:</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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