

# 2-Indanol

<b>Other names:</b>	1H-Inden-2-ol, 2,3-dihydro- 2-Hydroxyhydrindene indan-2-ol
<b>Inchi:</b>	InChI=1S/C9H10O/c10-9-5-7-3-1-2-4-8(7)6-9/h1-4,9-10H,5-6H2
<b>InchiKey:</b>	KMGCKSAIIHOKCX-UHFFFAOYSA-N
<b>Formula:</b>	C9H10O
<b>SMILES:</b>	OC1Cc2ccccc2C1
<b>Mol. weight [g/mol]:</b>	134.18
<b>CAS:</b>	4254-29-9

## Physical Properties

Property code	Value	Unit	Source
gf	51.61	kJ/mol	Joback Method
hf	-83.46	kJ/mol	Joback Method
hfus	14.94	kJ/mol	Joback Method
hvap	55.16	kJ/mol	Joback Method
ie	8.50	eV	NIST Webbook
log10ws	-1.93		Crippen Method
logp	1.146		Crippen Method
mcvol	108.920	ml/mol	McGowan Method
pc	4194.74	kPa	Joback Method
tb	535.90	K	Joback Method
tc	746.68	K	Joback Method
tf	343.00 ± 2.00	K	NIST Webbook
vc	0.407	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	251.49	J/mol×K	535.90	Joback Method
cpg	263.47	J/mol×K	571.03	Joback Method
cpg	274.64	J/mol×K	606.16	Joback Method
cpg	285.05	J/mol×K	641.29	Joback Method
cpg	294.76	J/mol×K	676.42	Joback Method

cpg	303.82	J/molxK	711.55	Joback Method
cpg	312.28	J/molxK	746.68	Joback Method
dvisc	0.0060903	Paxs	308.89	Joback Method
dvisc	0.0026610	Paxs	346.72	Joback Method
dvisc	0.0013684	Paxs	384.56	Joback Method
dvisc	0.0007927	Paxs	422.39	Joback Method
dvisc	0.0005024	Paxs	460.23	Joback Method
dvisc	0.0003412	Paxs	498.06	Joback Method
dvisc	0.0002447	Paxs	535.90	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=C4254299&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4254299&amp;Units=SI</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>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>

## 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>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mccvol:</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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