

# gleenol

<b>Other names:</b>	Axenol (Gleenol) Gleenol (Axenol)
<b>Inchi:</b>	InChI=1S/C15H26O/c1-10(2)13-6-5-12(4)15(14(13)16)8-7-11(3)9-15/h9-10,12-14,16H,5-
<b>InchiKey:</b>	MYLXGCVCCZCOHU-UHFFFAOYSA-N
<b>Formula:</b>	C15H26O
<b>SMILES:</b>	CC1=CC2(CC1)C(C)CCC(C(C)C)C2O
<b>Mol. weight [g/mol]:</b>	222.37

## Physical Properties

Property code	Value	Unit	Source
gf	8.68	kJ/mol	Joback Method
hf	-368.61	kJ/mol	Joback Method
hfus	19.72	kJ/mol	Joback Method
hvap	64.97	kJ/mol	Joback Method
log10ws	-4.15		Crippen Method
logp	3.776		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2069.88	kPa	Joback Method
rinpol	1573.00		NIST Webbook
rinpol	1590.80		NIST Webbook
rinpol	1595.00		NIST Webbook
rinpol	1589.00		NIST Webbook
rinpol	1589.00		NIST Webbook
rinpol	1586.00		NIST Webbook
rinpol	1587.00		NIST Webbook
rinpol	1574.00		NIST Webbook
rinpol	1572.00		NIST Webbook
rinpol	1586.00		NIST Webbook
rinpol	1572.00		NIST Webbook
rinpol	1587.00		NIST Webbook
rinpol	1575.00		NIST Webbook
rinpol	1578.00		NIST Webbook
rinpol	1585.00		NIST Webbook
rinpol	1572.00		NIST Webbook
rinpol	1575.00		NIST Webbook
rinpol	1587.00		NIST Webbook
rinpol	1588.00		NIST Webbook

ripol	1585.00		NIST Webbook
ripol	1586.00		NIST Webbook
ripol	1581.00		NIST Webbook
ripol	1587.00		NIST Webbook
ripol	1588.00		NIST Webbook
ripol	1575.00		NIST Webbook
ripol	1585.00		NIST Webbook
ripol	1585.00		NIST Webbook
ripol	1587.00		NIST Webbook
ripol	1585.00		NIST Webbook
ripol	2051.00		NIST Webbook
ripol	2054.00		NIST Webbook
ripol	2032.00		NIST Webbook
ripol	2008.00		NIST Webbook
ripol	2008.00		NIST Webbook
ripol	2025.00		NIST Webbook
ripol	2054.00		NIST Webbook
ripol	2035.00		NIST Webbook
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ripol	2051.00		NIST Webbook
ripol	2049.00		NIST Webbook
ripol	2049.00		NIST Webbook
ripol	2049.00		NIST Webbook
ripol	2051.00		NIST Webbook
tb	659.94	K	Joback Method
tc	865.11	K	Joback Method
tf	355.13	K	Joback Method
vc	0.752	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	597.80	J/molxK	659.94	Joback Method
cpg	617.79	J/molxK	694.13	Joback Method
cpg	636.77	J/molxK	728.33	Joback Method
cpg	654.86	J/molxK	762.52	Joback Method

cpg	672.18	J/mol×K	796.72	Joback Method
cpg	688.83	J/mol×K	830.91	Joback Method
cpg	704.93	J/mol×K	865.11	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=C72203997&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C72203997&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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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>mvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	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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