

# 7,15-Epoxytrezizaane

<b>Inchi:</b>	InChI=1S/C15H24O/c1-10-4-5-12-13(2,3)15(9-16-15)11-6-7-14(10,12)8-11/h10-12H,4-9H
<b>InchiKey:</b>	GVJQGUYLTAQAMV-LZVAUXPFSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	CC1CCC2C13CCC(C3)C1(CO1)C2(C)C
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	188.31	kJ/mol	Joback Method
hf	-194.85	kJ/mol	Joback Method
hfus	16.27	kJ/mol	Joback Method
hvap	49.25	kJ/mol	Joback Method
log10ws	-3.67		Crippen Method
logp	3.628		Crippen Method
mvol	184.640	ml/mol	McGowan Method
pc	2372.59	kPa	Joback Method
rinpol	1628.00		NIST Webbook
rinpol	1628.00		NIST Webbook
tb	592.16	K	Joback Method
tc	829.78	K	Joback Method
tf	416.84	K	Joback Method
vc	0.709	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	541.84	J/molxK	592.16	Joback Method
cpg	564.86	J/molxK	631.76	Joback Method
cpg	586.26	J/molxK	671.37	Joback Method
cpg	606.55	J/molxK	710.97	Joback Method
cpg	626.24	J/molxK	750.57	Joback Method
cpg	645.84	J/molxK	790.17	Joback Method
cpg	665.85	J/molxK	829.78	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=R198851&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R198851&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>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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