

# Trinoranastreptene

<b>Other names:</b>	(+)-Trisnoranastreptene
<b>Inchi:</b>	InChI=1S/C12H16/c1-9-5-6-10-11(2)7-3-4-8-12(9,10)11/h4-5,8,10H,3,6-7H2,1-2H3
<b>InchiKey:</b>	GOAGZWVCKOCSLC-UHFFFAOYSA-N
<b>Formula:</b>	C12H16
<b>SMILES:</b>	CC1=CCC2C3(C)CCC=CC123
<b>Mol. weight [g/mol]:</b>	160.26

## Physical Properties

Property code	Value	Unit	Source
gf	259.62	kJ/mol	Joback Method
hf	55.80	kJ/mol	Joback Method
hfus	8.60	kJ/mol	Joback Method
hvap	41.16	kJ/mol	Joback Method
log10ws	-3.51		Crippen Method
logp	3.309		Crippen Method
mcvol	138.760	ml/mol	McGowan Method
pc	3059.17	kPa	Joback Method
rinpol	1189.00		NIST Webbook
rinpol	1189.00		NIST Webbook
rinpol	1189.00		NIST Webbook
ripol	1455.00		NIST Webbook
ripol	1455.00		NIST Webbook
ripol	1455.00		NIST Webbook
tb	502.23	K	Joback Method
tc	734.55	K	Joback Method
tf	337.14	K	Joback Method
vc	0.538	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.19	J/mol×K	502.23	Joback Method
cpg	354.05	J/mol×K	540.95	Joback Method
cpg	371.03	J/mol×K	579.67	Joback Method

cpg	386.47	J/mol×K	618.39	Joback Method
cpg	400.72	J/mol×K	657.11	Joback Method
cpg	414.10	J/mol×K	695.83	Joback Method
cpg	426.97	J/mol×K	734.55	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R240145&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R240145&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>
<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>

## 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>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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