

# 18-norabieta-8,11,13-triene

<b>Inchi:</b>	InChI=1S/C19H28/c1-5-14-7-9-16-15(13-14)8-10-17-18(2,3)11-6-12-19(16,17)4/h7,9,13,
<b>InchiKey:</b>	HNFMJVDCJCZJFJ-NNBQYGFHSA-N
<b>Formula:</b>	C19H28
<b>SMILES:</b>	CCc1ccc2c(c1)CCC1C(C)(C)CCCC21C
<b>Mol. weight [g/mol]:</b>	256.43

## Physical Properties

Property code	Value	Unit	Source
gf	280.86	kJ/mol	Joback Method
hf	-78.48	kJ/mol	Joback Method
hfus	18.77	kJ/mol	Joback Method
hvap	59.05	kJ/mol	Joback Method
log10ws	-5.79		Crippen Method
logp	5.279		Crippen Method
mcvol	233.090	ml/mol	McGowan Method
pc	1774.35	kPa	Joback Method
rinpol	2007.00		NIST Webbook
rinpol	2007.00		NIST Webbook
tb	688.59	K	Joback Method
tc	925.04	K	Joback Method
tf	427.75	K	Joback Method
vc	0.884	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	682.49	J/mol×K	688.59	Joback Method
cpg	705.89	J/mol×K	728.00	Joback Method
cpg	728.35	J/mol×K	767.41	Joback Method
cpg	750.19	J/mol×K	806.81	Joback Method
cpg	771.75	J/mol×K	846.22	Joback Method
cpg	793.34	J/mol×K	885.63	Joback Method
cpg	815.31	J/mol×K	925.04	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=R303825&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R303825&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>hvp:</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>rinp:</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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