Norethandrolone

Other names:	19-Norpregn-4-en-3-one, 17-hydroxy-, (17«alpha»)-
	19-Nor-17«alpha»-pregn-4-en-3-one, 17-hydroxy-
	Nileva
	Nilevar
	Pronabol
	SC 5914
	17«alpha»-Ethyl-19-nortestosterone
	17«alpha»-Ethylnortestosterone
	17-Ethyl-19-nortestosterone
	17-ENT
	19-Nortestosterone, 17-Ethyl-
	8022 C. B.
	Estr-4-en-3-one, 17«alpha»-ethyl-17-hydroxy-
	17-«alpha»-Ethyl-17-hydroxynorandrostenone
	17-«alpha»-Ethyl-17-hydroxy-4-norandrosten-3-one
	17-«alpha»-Ethyl-17-hydroxy-19-norandrost-4-en-3-one
	17-Hydroxy-19-norpregn-4-en-3-one
	17-Hydroxy-19-nor-17-«alpha»-pregn-4-en-3-one
	17-«beta»-Hydroxy-19-nor-17-«alpha»-pregn-4-en-3-one
	19-Norethyltestosterone
	19-Nor-17-«alpha»-ethyltestosterone
	17-«alpha»-Nortestosterone
	Solevar
	17«alpha»-Ethyl-17«beta»-hydroxyestr-4-en-3-one
	CB 8022
	NSC 70581
	U 6817
	17-Ethyl-17-hydroxyestr-4-en-3-one
Inchi:	InChI=1S/C20H30O2/c1-3-20(22)11-9-18-17-6-4-13-12-14(21)5-7-15(13)16(17)8-10-19(1
InchiKey:	ZDHCJEIGTNNEMY-BROHZWGRSA-N
Formula:	C20H30O2
SMILES:	CCC1(O)CCC2C3CCC4=CC(=O)CCC4C3CCC21C
Mol. weight [g/mol]:	302.45
CAS:	52-78-8

Physical Properties

Property code	Value	Unit	Source

gf	34.54	kJ/mol	Joback Method
hf	-449.55	kJ/mol	Joback Method
hfus	23.57	kJ/mol	Joback Method
hvap	79.59	kJ/mol	Joback Method
log10ws	-5.07		Crippen Method
logp	4.269		Crippen Method
mcvol	252.360	ml/mol	McGowan Method
pc	1856.31	kPa	Joback Method
rinpol	2822.00		NIST Webbook
rinpol	2822.00		NIST Webbook
tb	860.59	K	Joback Method
tc	1093.77	K	Joback Method
tf	412.00 ± 1.00	K	NIST Webbook
vc	0.950	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	901.36	J/mol×K	860.59	Joback Method
cpg	925.87	J/mol×K	899.45	Joback Method
cpg	950.46	J/mol×K	938.32	Joback Method
cpg	975.45	J/mol×K	977.18	Joback Method
cpg	1001.15	J/mol×K	1016.05	Joback Method
cpg	1027.88	J/mol×K	1054.91	Joback Method
cpg	1055.94	J/mol×K	1093.77	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C52788&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Joback Method: https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume