Methandrostenolone

Other names:

Androsta-1,4-dien-3-one, 17-hydroxy-17-methyl-, (17«beta»)-
Androsta-1,4-dien-3-one, 17«beta»-hydroxy-17-methyl-
«DELTA»1-17«alpha»-Methyltestosterone
Abirol
Anabolin
Ciba 17309-Ba
Compound 17309
Crein
Danabol
Dehydromethyltestosterone
Dianabol
Dianabole
Geabol
Metanabol
Metandienon
Metandienone
Metandienonum
Metandrostenolon
Metandrostenolone
Metastenol
Methandienone
Methandrolone
Methylandrostenolone
MA
Nerobol
Nerobolettes
NSC-42722
Protobolin
Stenolon
Stenolone
1-Dehydro-17«alpha»-Methyltestosterone
1-Dehydromethyltestosterone
1,2-Dehydro-17-methyltestosterone
17«alpha»-Methyl-1-dehydrotestosterone
«DELTA»1-17alpha-Methyltestosterone
Anabolicum Medivet
Andoredan
Androsta-1,4-dien-3-one, 17«beta»-hydroxy-17«alpha»-methyl-
Encephan
Naposim

Testosterone, 1-dehydro-17-methyl-
1-Dehydro-17alpha-Methyltestosterone
17-«beta»-hydroxy-17-methyl-androsta-1,4-dien-3-one
17-«beta»-Hydroxy-17-«alpha»-methylandrostra-1,4-dien-3-one
Androsta-1,4-diene-3-one, 17-hydroxy-17-methyl-, (17«beta»)-
17«beta»-Hydroxy-17«alpha»-methylandrosta-1,4-dien-3-one
Nabolin
Sterolon
«delta»(Sup1)-17«alpha»-Methyltestosterone
«delta»'-17-Methyltestosterone
1-Dehydro-17-methyltestosterone
17-Hydroxy-17-methylandrosta-1,4-dien-3-one

Inchi: InChI=1S/C20H28O2/c1-18-9-6-14(21)12-13(18)4-5-15-16(18)7-10-19(2)17(15)8-11-20(1

InchiKey: XWALNWXLMVGSFR-NSDIEPNESA-N

Formula: C20H28O2

SMILES: CC12C=CC(=O)C=C1CCC1C2CCC2(C)C1CCC2(C)O

Mol. weight [g/mol]: 300.44

CAS: 72-63-9

Physical Properties

Property code	Value	Unit	Source
gf	59.01	kJ/mol	Joback Method
hf	-376.53	kJ/mol	Joback Method
hfus	18.50	kJ/mol	Joback Method
hvap	78.73	kJ/mol	Joback Method
log10ws	-4.93		Crippen Method
logp	4.045		Crippen Method
mcvol	248.060	ml/mol	McGowan Method
pc	1992.98	kPa	Joback Method
rinpol	2792.70		NIST Webbook
rinpol	2722.00		NIST Webbook
rinpol	2672.00		NIST Webbook
rinpol	2672.00		NIST Webbook
rinpol	2722.00		NIST Webbook
tb	859.99	K	Joback Method
tc	1101.34	K	Joback Method
tf	575.62	K	Joback Method
vc	0.933	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	869.37	J/mol×K	859.99	Joback Method
cpg	895.67	J/mol×K	900.21	Joback Method
cpg	923.03	J/mol×K	940.44	Joback Method
cpg	951.90	J/mol×K	980.66	Joback Method
cpg	982.76	J/mol×K	1020.89	Joback Method
cpg	1016.08	J/mol×K	1061.11	Joback Method
cpg	1052.32	J/mol×K	1101.34	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C72639&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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