

Fluoxymesterone

Other names:	Androst-4-en-3-one, 9-fluoro-11,17-dihydroxy-17-methyl-, (11«beta»,17«beta»)- Androfluorene Androfluorone Androst-4-en-3-one, 9-fluoro-11«beta»,17«beta»-dihydroxy-17-methyl- Androsterolo Fluosterone Fluotestin Fluoximesterone Flusteron Flutestos FXM Halotestin Neo-Ormonal NSC-12165 Ora Testryl Oralsterone Oratestin Testoral Testosterone, 9-fluoro-11«beta»-hydroxy-17-methyl- U 6040 Ultandren Ultandrene 9«alpha»-Fluoro-11«beta»-hydroxy-17-methyltestosterone 9«alpha»-Fluoro-11«beta»,17«beta»-dihydroxy-17«alpha»-methyl-4-androstene-3-one 11-«beta»,17-«beta»-Dihydroxy-9-«alpha»-fluoro-17-«alpha»-methyl-4-androster-3-one Fluoro-9-«alpha» dihydroxy-11-«beta»,17-«beta» methyl-17-«alpha» androstene-4-one-3 9-Fluoro-11-«beta»,17-«beta»-dihydroxy-17-methylandrost-4-en-3-one 9-«alpha»-Fluoro-17-«alpha»-methyl-11«beta»,17«beta»-dihydroxy-4-androsten-3-one Fluoxymestrone 17-«alpha»-Methyl-9-«alpha»-fluoro-11-«beta»-hydroxytestosterone 4-Androsten-3-one, 9alpha-fluoro-11beta,17beta-dihydroxy-17alpha-methyl- NSC 10704
Inchi:	InChI=1S/C20H29FO3/c1-17-8-6-13(22)10-12(17)4-5-15-14-7-9-19(3,24)18(14,2)11-16(2)
InchiKey:	YLRFCQOZQXIBAB-YXVJBPKESA-N
Formula:	C20H29FO3
SMILES:	CC1(O)CCC2C3CCC4=CC(=O)CCC4(C)C3(F)C(O)CC21C
Mol. weight [g/mol]:	336.44
CAS:	76-43-7

Physical Properties

Property code	Value	Unit	Source
gf	-315.78	kJ/mol	Joback Method
hf	-787.75	kJ/mol	Joback Method
hfus	19.22	kJ/mol	Joback Method
hvap	92.84	kJ/mol	Joback Method
log10ws	-4.66		Crippen Method
logp	3.332		Crippen Method
mcvol	260.000	ml/mol	McGowan Method
pc	2034.55	kPa	Joback Method
tb	947.85	K	Joback Method
tc	1176.81	K	Joback Method
tf	655.93	K	Joback Method
vc	0.982	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	992.91	J/mol×K	947.85	Joback Method
cpg	1025.05	J/mol×K	986.01	Joback Method
cpg	1059.90	J/mol×K	1024.17	Joback Method
cpg	1097.94	J/mol×K	1062.33	Joback Method
cpg	1139.67	J/mol×K	1100.49	Joback Method
cpg	1185.57	J/mol×K	1138.65	Joback Method
cpg	1236.13	J/mol×K	1176.81	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C76437&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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