4-Androsten-17«alpha»-ol-3-one (epitestosterone), MO

Inchi: InChI=1S/C20H31NO2/c1-19-10-8-14(21-23-3)12-13(19)4-5-15-16-6-7-18(22)20(16,2)11

InchiKey: OCGJMJCBENBXGY-GZGCJKLESA-N

Formula: C20H31NO2

SMILES: CON=C1C=C2CCC3C(CCC4(C)C(O)CCC34)C2(C)CC1

Mol. weight [g/mol]: 317.47

Physical Properties

Property code	Value	Unit	Source
hf	-403.04	kJ/mol	Joback Method
hvap	81.89	kJ/mol	Joback Method
log10ws	-5.04		Crippen Method
logp	4.312		Crippen Method
mcvol	262.340	ml/mol	McGowan Method
pc	1598.72	kPa	Joback Method
rinpol	2570.00		NIST Webbook
tb	894.35	K	Joback Method
tc	1125.87	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R523123&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

hf: Enthalpy of formation 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