1,2,4a,9-Tetramethyl-1,2,3,4,4a,5,6,14b-octahydro-

Inchi: InChI=1S/C26H30/c1-16-12-14-26(4)15-13-23-22-9-8-19-17(2)6-5-7-20(19)21(22)10-11-2
InchiKey: DDHCCKRACZWQKU-UHFFFAOYSA-N
Formula: C26H30
SMILES: Cc1cccc2c1ccc1c3c(ccc12)C1C(C)C(C)CCC1(C)CC3
Mol. weight [g/mol]: 342.52

Physical Properties

Property code	Value	Unit	Source
gf	531.62	kJ/mol	Joback Method
hf	100.66	kJ/mol	Joback Method
hfus	37.53	kJ/mol	Joback Method
hvap	80.07	kJ/mol	Joback Method
log10ws	-9.12		Crippen Method
logp	7.404		Crippen Method
mcvol	292.800	ml/mol	McGowan Method
pc	1409.07	kPa	Joback Method
rinpol	3099.27		NIST Webbook
tb	891.76	K	Joback Method
tc	1141.03	K	Joback Method
tf	568.94	K	Joback Method
vc	1.121	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	969.78	J/mol×K	891.76	Joback Method
cpg	993.79	J/mol×K	933.31	Joback Method
cpg	1017.63	J/mol×K	974.85	Joback Method
cpg	1041.63	J/mol×K	1016.40	Joback Method
cpg	1066.12	J/mol×K	1057.94	Joback Method
cpg	1091.43	J/mol×K	1099.49	Joback Method
cpg	1117.88	J/mol×K	1141.03	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R179672&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