

3,6-Dihydroxy-9-methylfluorene

Inchi:	InChI=1S/C14H12O2/c1-8-11-4-2-9(15)6-13(11)14-7-10(16)3-5-12(8)14/h2-8,15-16H,1H
InchiKey:	XQONGHCSNZQHBO-UHFFFAOYSA-N
Formula:	C14H12O2
SMILES:	CC1c2ccc(O)cc2-c2cc(O)ccc21
Mol. weight [g/mol]:	212.24

Physical Properties

Property code	Value	Unit	Source
gf	48.27	kJ/mol	Joback Method
hf	-151.67	kJ/mol	Joback Method
hfus	33.22	kJ/mol	Joback Method
hvap	78.23	kJ/mol	Joback Method
log10ws	-3.90		Crippen Method
logp	3.230		Crippen Method
mvol	161.480	ml/mol	McGowan Method
pc	4151.61	kPa	Joback Method
rinpol	2180.00		NIST Webbook
rinpol	2180.00		NIST Webbook
tb	742.48	K	Joback Method
tc	1000.42	K	Joback Method
tf	573.84	K	Joback Method
vc	0.508	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	449.56	J/molxK	742.48	Joback Method
cpg	461.43	J/molxK	785.47	Joback Method
cpg	472.85	J/molxK	828.46	Joback Method
cpg	484.10	J/molxK	871.45	Joback Method
cpg	495.46	J/molxK	914.44	Joback Method
cpg	507.20	J/molxK	957.43	Joback Method
cpg	519.62	J/molxK	1000.42	Joback Method
dvisc	0.0000561	Paxs	573.84	Joback Method

dvisc	0.0000353	Paxs	601.95	Joback Method
dvisc	0.0000232	Paxs	630.05	Joback Method
dvisc	0.0000158	Paxs	658.16	Joback Method
dvisc	0.0000111	Paxs	686.27	Joback Method
dvisc	0.0000080	Paxs	714.37	Joback Method
dvisc	0.0000059	Paxs	742.48	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=R569109&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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

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