Phenol, 2,4'-isopropylidenedi-

Other names: 2,4'-Bisphenol A
Phenol, 2-[1-(4-hydroxyphenyl)-1-methylethyl]-
2,4'-Dihydroxydiphenyldimethylmethane
2,4'-Isopropylidenediphenol
2-(4'-Hydroxyphenyl)-2-(2'-hydroxyphenyl)propane
o-[1-(4-hydroxyphenyl)-1-methylethyl]phenol
Inchi: InChI=1S/C15H16O2/c1-15(2,11-7-9-12(16)10-8-11)13-5-3-4-6-14(13)17/h3-10,16-17H,1
InchiKey: MLCQXUZZAXKTSG-UHFFFAOYSA-N
Formula: C15H16O2
SMILES: CC(C)(c1ccc(O)cc1)c1ccccc1O
Mol. weight [g/mol]: 228.29
CAS: 837-08-1

Physical Properties

Property code	Value	Unit	Source
gf	-6.16	kJ/mol	Joback Method
hf	-243.24	kJ/mol	Joback Method
hfus	26.84	kJ/mol	Joback Method
hvap	78.27	kJ/mol	Joback Method
log10ws	-3.18		Crippen Method
logp	3.424		Crippen Method
mcvol	186.430	ml/mol	McGowan Method
pc	3547.31	kPa	Joback Method
tb	753.97	K	Joback Method
tc	1018.62	K	Joback Method
tf	537.51	K	Joback Method
vc	0.581	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	528.97	J/mol×K	753.97	Joback Method
cpg	543.20	J/mol×K	798.08	Joback Method
cpg	556.63	J/mol×K	842.19	Joback Method

cpg	569.54	J/mol×K	886.29	Joback Method
cpg	582.22	J/mol×K	930.40	Joback Method
cpg	594.96	J/mol×K	974.51	Joback Method
cpg	608.03	J/mol×K	1018.62	Joback Method
dvisc	0.0000313	Pa×s	537.51	Joback Method
dvisc	0.0000137	Pa×s	573.59	Joback Method
dvisc	0.0000066	Pa×s	609.66	Joback Method
dvisc	0.0000035	Pa×s	645.74	Joback Method
dvisc	0.0000019	Pa×s	681.82	Joback Method
dvisc	0.0000012	Pa×s	717.89	Joback Method
dvisc	0.0000007	Pa×s	753.97	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=C837081&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume