4-vinylsyringol

Other names:	3,5-dimethoxy-4-hydroxystyrene (4-vinylsyringol)
	Phenol, 4-ethenyl, 2,6-dimethoxy
	4-vinyl-2,6-dimethoxyphenol
	4-Vinyl-2,6-dimethoxyphenol (4-vinylsyringol)
Inchi:	InChI=1S/C10H12O3/c1-4-7-5-8(12-2)10(11)9(6-7)13-3/h4-6,11H,1H2,2-3H3
InchiKey:	QHJGZUSJKGVMTF-UHFFFAOYSA-N
Formula:	C10H12O3
SMILES:	C=Cc1cc(OC)c(O)c(OC)c1
Mol. weight [g/mol]:	180.20

Physical Properties

Property code	Value	Unit	Source
gf	-150.31	kJ/mol	Joback Method
hf	-352.46	kJ/mol	Joback Method
hfus	21.80	kJ/mol	Joback Method
hvap	58.62	kJ/mol	Joback Method
log10ws	-2.08		Crippen Method
logp	2.052		Crippen Method
mcvol	141.310	ml/mol	McGowan Method
pc	3380.21	kPa	Joback Method
rinpol	1573.00		NIST Webbook
rinpol	1532.00		NIST Webbook
rinpol	1517.00		NIST Webbook
ripol	2551.00		NIST Webbook
ripol	2535.00		NIST Webbook
ripol	2573.00		NIST Webbook
ripol	2545.00		NIST Webbook
ripol	2556.00		NIST Webbook
ripol	2526.00		NIST Webbook
ripol	2543.00		NIST Webbook
ripol	2545.00		NIST Webbook
ripol	2551.00		NIST Webbook
ripol	2543.00		NIST Webbook
tb	586.98	K	Joback Method
tc	806.88	K	Joback Method
tf	408.34	K	Joback Method
vc	0.470	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	337.76	J/mol×K	586.98	Joback Method
cpg	349.72	J/mol×K	623.63	Joback Method
cpg	361.03	J/mol×K	660.28	Joback Method
cpg	371.73	J/mol×K	696.93	Joback Method
cpg	381.86	J/mol×K	733.58	Joback Method
cpg	391.44	J/mol×K	770.23	Joback Method
cpg	400.52	J/mol×K	806.88	Joback Method
dvisc	0.0005106	Pa×s	408.34	Joback Method
dvisc	0.0002679	Pa×s	438.11	Joback Method
dvisc	0.0001526	Pa×s	467.89	Joback Method
dvisc	0.0000930	Pa×s	497.66	Joback Method
dvisc	0.0000599	Pa×s	527.43	Joback Method
dvisc	0.0000405	Pa×s	557.21	Joback Method
dvisc	0.0000284	Pa×s	586.98	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=R88528&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume