2-ALLYL-6-METHOXYPHENOL

Other names:	o-Allylguaiacol
	o-Eugenol
	Guaiacol, 6-allyl-
	Phenol, 2-allyl-6-methoxy-
	2-Allyl-6-methoxyphenol
	6-Allyl-2-methoxyphenol
	o-Eugenol, isomer
	6-allylguaicol
Inchi:	InChI=1S/C10H12O2/c1-3-5-8-6-4-7-9(12-2)10(8)11/h3-4,6-7,11H,1,5H2,2H3
InchiKey:	LREHGXOCZVBABG-UHFFFAOYSA-N
Formula:	C10H12O2
SMILES:	C=CCc1cccc(OC)c1O
Mol. weight [g/mol]:	164.20

Physical Properties

Property code	Value	Unit	Source
hf	-185.69	kJ/mol	Cheméo Relay (1.0)
hfus	21.00	kJ/mol	Joback Method
hvap	75.41	kJ/mol	Cheméo Relay (1.0)
ie	7.94	eV	Cheméo Relay (1.0)
log10ws	-1.84		Cheméo Relay (1.0)
logp	2.129		Crippen Method
mcvol	135.440	ml/mol	McGowan Method
rinpol	1446.00		NIST Webbook
rinpol	1412.00		NIST Webbook
tb	524.00	K	Cheméo Relay (1.0)
tf	303.24	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	315.44	J/mol×K	559.58	Joback Method
cpg	379.59	J/mol×K	781.19	Joback Method
cpg	370.45	J/mol×K	744.26	Joback Method

cpg	360.77	J/mol×K	707.32	Joback Method
cpg	350.49	J/mol×K	670.39	Joback Method
cpg	339.55	J/mol×K	633.45	Joback Method
cpg	327.88	J/mol×K	596.52	Joback Method
dvisc	0.0001637	Pa×s	466.59	Joback Method
dvisc	0.0000422	Pa×s	559.58	Joback Method
dvisc	0.0000629	Pa×s	528.58	Joback Method
dvisc	0.0000985	Pa×s	497.58	Joback Method
dvisc	0.0012460	Pa×s	373.59	Joback Method
dvisc	0.0002925	Pa×s	435.59	Joback Method
dvisc	0.0005711	Pa×s	404.59	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C579602&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

Latest version available from: