1-(P-chlorophenyl)-3-(o-hydroxyphenyl)-2-propen

Inchi: InChI=1S/C15H12ClNO2/c16-13-8-5-11(6-9-13)14(17-19)10-7-12-3-1-2-4-15(12)18/h1-1
InchiKey: MUPPAQHVWRAHCA-GKOPTJFUSA-N
Formula: C15H12ClNO2
SMILES: ON=C(C=Cc1ccccc1O)c1ccc(Cl)cc1
Mol. weight [g/mol]: 273.71
CAS: 116557-94-9

Physical Properties

Property code	Value	Unit	Source
hf	-46.97	kJ/mol	Joback Method
hvap	91.63	kJ/mol	Joback Method
log10ws	-3.48		Crippen Method
logp	3.937		Crippen Method
mcvol	200.050	ml/mol	McGowan Method
pc	2906.11	kPa	Joback Method
tb	891.89	K	Joback Method
tc	1141.36	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C116557949&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

hf: Enthalpy of formation 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

Latest version available from:
https://www.chemeo.com/cid/30-334-7/1-P-chlorophenyl-3-o-hydroxyphenyl-2-propen-1-oxime.pdf
Generated by Cheméo on 2024-04-28 20:41:31.932539607 +0000 UTC m=+16626140.853116924.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.