Ethanol, 2,2'-(5-chloro-2-ethoxy phenylimido) di

Inchi: InChI=1S/C12H18ClNO3/c1-2-17-12-4-3-10(13)9-11(12)14(5-7-15)6-8-16/h3-4,9,15-16H

InchiKey: WGLHZNWZKMGRMK-UHFFFAOYSA-N

Formula: C12H18ClNO3

SMILES: CCOc1ccc(Cl)cc1N(CCO)CCO

Mol. weight [g/mol]: 259.73

Physical Properties

Property code	Value	Unit	Source
gf	-136.48	kJ/mol	Joback Method
hf	-462.31	kJ/mol	Joback Method
hfus	36.68	kJ/mol	Joback Method
hvap	88.10	kJ/mol	Joback Method
log10ws	-1.97		Crippen Method
logp	1.530		Crippen Method
mcvol	196.010	ml/mol	McGowan Method
pc	2654.29	kPa	Joback Method
tb	767.25	K	Joback Method
tc	954.52	K	Joback Method
tf	482.72	K	Joback Method
vc	0.723	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	549.74	J/mol×K	767.25	Joback Method
cpg	560.54	J/mol×K	798.46	Joback Method
cpg	570.70	J/mol×K	829.67	Joback Method
cpg	580.25	J/mol×K	860.88	Joback Method
cpg	589.22	J/mol×K	892.09	Joback Method
cpg	597.61	J/mol×K	923.31	Joback Method
cpg	605.46	J/mol×K	954.52	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000033&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

cpg:	Ideal gas heat capacity
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