N-2(2,4-dichlorophenoxy)-ethyl alpha,alpha-dichloropropionamide

Inchi: InChI=1S/C11H11Cl4NO2/c1-11(14,15)10(17)16-4-5-18-9-3-2-7(12)6-8(9)13/h2-3,6H,4-5

InchiKey: BXHUTYLHWCXPSK-UHFFFAOYSA-N

Formula: C11H11Cl4NO2

SMILES: CC(Cl)(Cl)C(O)=NCCOc1ccc(Cl)cc1Cl

Mol. weight [g/mol]: 331.02

CAS: 116402-50-7

Physical Properties

Property code	Value	Unit	Source
hf	-340.51	kJ/mol	Joback Method
hvap	82.41	kJ/mol	Joback Method
log10ws	-4.53		Crippen Method
logp	4.522		Crippen Method
mcvol	208.470	ml/mol	McGowan Method
pc	2210.37	kPa	Joback Method
tb	825.37	K	Joback Method
tc	1055.33	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C116402507&Units=SI

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