Hydrazine, 1,2-bis(3,4-dichloro benzoyl)-

Inchi: InChI=1S/C14H8Cl4N2O2/c15-9-3-1-7(5-11(9)17)13(21)19-20-14(22)8-2-4-10(16)12(18)6-8/h1-6H,(H,19,21)(H,20,22)
InchiKey: FMTOEJTZGHGOKG-UHFFFAOYSA-N
Formula: C14H8Cl4N2O2
SMILES: OC(=NN=C(O)c1ccc(Cl)c(Cl)c1)c1ccc(Cl)c(Cl)c1
Mol. weight [g/mol]: 378.04
CAS: 28455-14-3

Physical Properties

Property code	Value	Unit	Source
hf	-127.67	kJ/mol	Joback Method
hvap	111.64	kJ/mol	Joback Method
log10ws	-5.79		Crippen Method
logp	5.525		Crippen Method
mcvol	232.660	ml/mol	McGowan Method
pc	2216.62	kPa	Joback Method
tb	1080.20	K	Joback Method
tc	1333.69	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C28455143&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