Folpet

Other names:	1H-Isoindole-1,3(2H)-dione, 2-[(trichloromethyl)thio]-
	Phthalimide, N-[(trichloromethyl)thio]-
	Faltan
	Ftalan
	Fungitrol 11
	N-[(Trichloromethyl)thio]phthalimide
	Orthophaltan
	Phaltan
	Phaltane
	Phthaltan
	Spolacid
	2-[(Trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione
	Folpan
	Folpel
	Folpex
	N-(Trichloromethylmercapto)phthalimide
	Trichloromethyl(thio)phthalimide
	Acryptan
	Folnit
	Intercide TMP
	Vinicoll
Inchi:	InChI=1S/C9H4Cl3NO2S/c10-9(11,12)16-13-7(14)5-3-1-2-4-6(5)8(13)15/h1-4H
InchiKey:	HKIOYBQGHSTUDB-UHFFFAOYSA-N
Formula:	C9H4Cl3NO2S
SMILES:	O=C1c2ccccc2C(=O)N1SC(Cl)(Cl)Cl
Mol. weight [g/mol]:	296.56
CAS:	133-07-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.76		Crippen Method
logp	3.259		Crippen Method
mcvol	169.240	ml/mol	McGowan Method
rinpol	2077.00		NIST Webbook
rinpol	2015.00		NIST Webbook
rinpol	2086.00		NIST Webbook

rinpol	2086.00		NIST Webbook
rinpol	2015.00		NIST Webbook
rinpol	2015.00		NIST Webbook
rinpol	2015.00		NIST Webbook
tf	454.52 ± 0.20	K	NIST Webbook
tf	454.10 ± 0.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	35.49	kJ/mol	454.20	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C133073&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

hfust: Enthalpy of fusion at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices
tf: Normal melting (fusion) point