Ovex

Other names:

Benzenesulfonic acid, 4-chloro-, 4-chlorophenyl ester
Benzenesulfonic acid, p-chloro-, p-chlorophenyl ester
p-Chlorophenyl p-chlorobenzenesulfonate
Acaricydol E 20
Benzolsulfonate
C 1,006
Chlorfensin
Chlorobenzolsulfonate
Chlorofenizon
CCS
CPCBS
D 854
Erysit
Estonmite
Ethersulfonate
Genite 883
K 6451
Lethalaire G-58
Miticide K-101
Mitran
Onex
Orthotran
Otracid
Ovatron
Ovochlor
Ovotox
Ovotran
PCPCBS
Roztoczol Fluid
Sappilan
4-Chlorophenyl 4-chlorobenzenesulfonate
(4-Chloor-fenyl)-4-chloor-benzeen-sulfonaat
(4-Chlor-phenyl)-4-chlor-benzol-sulfonate
(4-Cloro-fenil)-4-cloro-venzol-solfonato
p-Chlorobenzenesulfonic acid, p-chlorophenyl ester
C-854
Chloorfenson
Chlorfensonchlorofensone
Corotran
Difenson

	Ephirsulphonate
	Ester sulfonate
	ENT 16,358
	Niagaratran
	Orochlor
	Ovatran
	Sappiran
	Trichlorfenson
	4-Chlorobenzenesulfonate de 4-chlorophenyle
	Chlorefenizon
	p-Chlorfenylester kyseliny p-chlorbenzensulfonove
	Chlorofensone
	p-Chlorophenyl p-chlorobenzenesulphonate
	4-Chlorophenyl 4-chlorobenzenesulphonate
	4-Chlorphenyl-4'-chlorbenzolsulfonat
	Parachlorophenyl-parachlorobenzene-sulfonate
	Chlorfenson
	Danicut
Inchi:	InChI=1S/C12H8Cl2O3S/c13-9-1-5-11(6-2-9)17-18(15,16)12-7-3-10(14)4-8-12/h1-8H
InchiKey:	RZXLPPRPEOUENN-UHFFFAOYSA-N
Formula:	C12H8Cl2O3S
SMILES:	O=S(=O)(Oc1ccc(Cl)cc1)c1ccc(Cl)cc1
Mol. weight [g/mol]:	303.16
CAS:	80-33-1

Physical Properties

Property code	Value	Unit	Source
gf	-341.68	kJ/mol	Joback Method
hf	-457.94	kJ/mol	Joback Method
hfus	35.10	kJ/mol	Joback Method
hvap	78.00	kJ/mol	Joback Method
log10ws	-4.46		Crippen Method
logp	3.761		Crippen Method
mcvol	190.860	ml/mol	McGowan Method
pc	3568.53	kPa	Joback Method
rinpol	2148.00		NIST Webbook
rinpol	2148.00		NIST Webbook
rinpol	2157.00		NIST Webbook
ripol	3297.00		NIST Webbook
ripol	3297.00		NIST Webbook

tb	682.34	K	Joback Method
tc	925.06	K	Joback Method
tf	361.00 ± 0.20	K	NIST Webbook
vc	0.734	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	432.12	J/mol×K	682.34	Joback Method
cpg	444.55	J/mol×K	722.79	Joback Method
cpg	455.83	J/mol×K	763.25	Joback Method
cpg	465.98	J/mol×K	803.70	Joback Method
cpg	475.01	J/mol×K	844.15	Joback Method
cpg	482.93	J/mol×K	884.60	Joback Method
cpg	489.76	J/mol×K	925.06	Joback Method
hfust	23.63	kJ/mol	360.00	NIST Webbook
hfust	23.63	kJ/mol	360.00	NIST Webbook

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=C80331&Units=SI

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
hfust: Enthalpy of fusion at a given temperature
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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume