

Benzene, 1,2,4-trichloro-5-[(4-chlorophenyl)thio]-

Other names:	Benzene, 1,2,4-trichloro-5-[(4-chlorophenyl)thio]- Sulfide, p-chlorophenyl 2,4,5-trichlorophenyl p-Chlorophenyl 2,4,5-trichlorophenyl sulfide Animert Animert V-10 Animert V-10K Animert V-101 V 101 2,4,4',5-Tetrachlorodiphenyl sulphide 4-Chlorophenyl 2,4,5-trichlorophenyl sulfide ENT 27,115 Philips-duphar V-101 3,4,6,4'-Tetrachlor-diphenylsulfid 2,4,5,4'-Tetrachlorodiphenyl sulfide 1,2,4-Trichloro-5-(4-(chlorophenyl)thio)benzene
Inchi:	InChI=1S/C12H6Cl4S/c13-7-1-3-8(4-2-7)17-12-6-10(15)9(14)5-11(12)16/h1-6H
InchiKey:	QUWSDLYBOVGOCW-UHFFFAOYSA-N
Formula:	C12H6Cl4S
SMILES:	Clc1ccc(Sc2cc(Cl)c(Cl)cc2Cl)cc1
Mol. weight [g/mol]:	324.06

Physical Properties

Property code	Value	Unit	Source
hfus	34.28	kJ/mol	Joback Method
logp	6.451		Crippen Method
mcvol	197.730	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	410.43	J/mol×K	765.74	Joback Method
cpg	420.17	J/mol×K	812.80	Joback Method
cpg	428.84	J/mol×K	859.86	Joback Method
cpg	436.50	J/mol×K	906.91	Joback Method

cpg	443.20	J/mol×K	953.97	Joback Method
cpg	449.00	J/mol×K	1001.03	Joback Method
cpg	453.96	J/mol×K	1048.09	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2227136&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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