

Acetamide, 2-chloro-N-(2,4,5-trichlorophenyl)-

Other names:	Acetamide, 2-chloro-N-(2,4,5-trichlorophenyl)- Acetanilide, 2,2',4',5'-tetrachloro- 2',4',6'-Trichloro-2-chloroacetanilide
Inchi:	InChI=1S/C8H5Cl4NO/c9-3-8(14)13-7-2-5(11)4(10)1-6(7)12/h1-2H,3H2,(H,13,14)
InchiKey:	GQRWKOPRUXSOBA-UHFFFAOYSA-N
Formula:	C8H5Cl4NO
SMILES:	O=C(CCl)Nc1cc(Cl)c(Cl)cc1Cl
Mol. weight [g/mol]:	272.95

Physical Properties

Property code	Value	Unit	Source
hfus	32.84	kJ/mol	Joback Method
logp	3.824		Crippen Method
mcvol	160.330	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	317.01	J/mol×K	677.82	Joback Method
cpg	324.81	J/mol×K	717.90	Joback Method
cpg	331.98	J/mol×K	757.98	Joback Method
cpg	338.55	J/mol×K	798.06	Joback Method
cpg	344.53	J/mol×K	838.14	Joback Method
cpg	349.97	J/mol×K	878.22	Joback Method
cpg	354.89	J/mol×K	918.30	Joback Method

Sources

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=C23595428&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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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