

Acetic acid, [(3,5,6-trichloro-2-pyridinyl)oxy]-

Other names:	Triclopyr ((3,5,6-Trichloro-2-pyridinyl)oxy)acetic acid Acetic acid, ((3,5,6-trichloro-2-pyridyl)oxy)- Dowco 233 Garlon 3,5,6-Trichloro-2-pyridyloxyacetic acid Redeem Remedy Turflon Trichlopyr Acetic acid, 2-[(3,5,6-trichloro-2-pyridinyl)oxy]- Garlon 2 Garlon 250 NSC 190671 [(3,5,6-trichloropyridin-2-yl)oxy]acetic acid
Inchi:	InChI=1S/C7H4Cl3NO3/c8-3-1-4(9)7(11-6(3)10)14-2-5(12)13/h1H,2H2,(H,12,13)
InchiKey:	REEQLXCGVXDJSQ-UHFFFAOYSA-N
Formula:	C7H4Cl3NO3
SMILES:	O=C(O)COc1nc(Cl)c(Cl)cc1Cl
Mol. weight [g/mol]:	256.47
CAS:	55335-06-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.93		Crippen Method
logp	2.505		Crippen Method
mcvol	145.740	ml/mol	McGowan Method
tf	423.85 ± 0.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	31.17	kJ/mol	423.30	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55335063&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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
tf:	Normal melting (fusion) point

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