

# Hydantoin, 5-(1-ethyl-n-pentyl)-3-(trichloromethylthio)-

Other names:	clodantoin
Inchi:	InChI=1S/C11H17Cl3N2O2S/c1-3-5-6-7(4-2)8-9(17)16(10(18)15-8)19-11(12,13)14/h7-8H
InchiKey:	VOGJJBHRUDVEFM-UHFFFAOYSA-N
Formula:	C11H17Cl3N2O2S
SMILES:	CCCCC(CC)C1N=C(O)N(SC(Cl)(Cl)Cl)C1=O
Mol. weight [g/mol]:	347.69
CAS:	5588-20-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.95		Crippen Method
logp	4.304		Crippen Method
mcvol	231.160	ml/mol	McGowan Method

## Sources

NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5588205&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5588205&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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