

# Drazoxolon

<b>Other names:</b>	4,5-Isoxazoledione, 3-methyl-, 4-[(2-chlorophenyl)hydrazone] 4,5-Isoxazoledione, 3-methyl-, 4-[(o-chlorophenyl)hydrazone] JF 1633 JF 2067 Mil-Col (pesticide) Milcol PP 781 R 22395 4-(2-Chlorophenylhydrazone)-3-methyl-5-isoxazolone 4-(2-Chlorophenylhydrazono)-3-methyl-5(4H)-isoxazolone Drazoxolone Ganocide 3-Methyl-4-((o-chlorophenyl)hydrazone)-4,5-isoxazoledione 3-Methyl-4-(o-chlorophenylhydrazono)-5-isoxazolone 3-Methyl-4,5-isoxazoledione 4-((2-chlorophenyl)hydrazone) Saisan Sopracol Sopracol 781 3-Methyl-4-[(2-chlorophenyl)hydrazone]-4,5-isoxazoledione Drazoxolan
<b>Inchi:</b>	InChI=1S/C10H8ClN3O2/c1-6-9(10(15)16-14-6)13-12-8-5-3-2-4-7(8)11/h2-5,12H,1H3
<b>InchiKey:</b>	OOTHARUZHONSW-UHFFFAOYSA-N
<b>Formula:</b>	C10H8ClN3O2
<b>SMILES:</b>	CC1=NOC(=O)C1=NNc1cccc1Cl
<b>Mol. weight [g/mol]:</b>	237.64
<b>CAS:</b>	5707-69-7

## Physical Properties

Property code	Value	Unit	Source
hf	-17.51	kJ/mol	Joback Method
hvac	72.24	kJ/mol	Joback Method
log10ws	-2.49		Crippen Method
logp	2.041		Crippen Method
mccol	158.160	ml/mol	McGowan Method
pc	3254.14	kPa	Joback Method
tb	799.18	K	Joback Method
tc	1071.37	K	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	28.04	kJ/mol	440.40	NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5707697&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5707697&amp;Units=SI</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point

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