

Cyprofuram

Other names:	Cyclopropanecarboxamide, N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furanyl)-«alpha»-(N-(3-Chlorophenyl)cyclopropanecarboxamido)-«gamma»-butyrolactone N-(3-Chlorophenyl)-N-(tetrahydro-2-oxo-3-furanyl)cyclopropanecarboxamide 3'-Chloro-N-(tetrahydro-2-oxo-3-furyl)cyclopropanecarboxanilide SN 78314 Stanza Vinicur N-(3-Chlorophenyl)-N-(2-oxotetrahydro-3-furanyl)cyclopropanecarboxamide N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furyl)cyclopropanecarboxamide
Inchi:	InChI=1S/C14H14ClNO3/c15-10-2-1-3-11(8-10)16(13(17)9-4-5-9)12-6-7-19-14(12)18/h1
InchiKey:	KRZUZYJEQBXUIN-UHFFFAOYSA-N
Formula:	C14H14ClNO3
SMILES:	O=C1OCCC1N(C(=O)C1CC1)c1cccc(Cl)c1
Mol. weight [g/mol]:	279.72
CAS:	69581-33-5

Physical Properties

Property code	Value	Unit	Source
gf	28.30	kJ/mol	Joback Method
hf	-304.44	kJ/mol	Joback Method
hfus	34.04	kJ/mol	Joback Method
hvap	71.80	kJ/mol	Joback Method
log10ws	-2.87		Crippen Method
logp	2.399		Crippen Method
mcvol	193.870	ml/mol	McGowan Method
pc	2811.36	kPa	Joback Method
tb	771.91	K	Joback Method
tc	1025.46	K	Joback Method
tf	522.43	K	Joback Method
vc	0.711	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
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cpg	568.06	J/mol×K	771.91	Joback Method
cpg	583.68	J/mol×K	814.17	Joback Method
cpg	597.90	J/mol×K	856.43	Joback Method
cpg	610.82	J/mol×K	898.68	Joback Method
cpg	622.52	J/mol×K	940.94	Joback Method
cpg	633.12	J/mol×K	983.20	Joback Method
cpg	642.69	J/mol×K	1025.46	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C69581335&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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