

Ofurace

Other names:

Acetamide, 2-chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)-
2-Chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamide
Milfuram
Patafol
Acetanilide, 2-chloro-2',6'-dimethyl-N-(2-oxotetrahydro-3-furyl)-
Ortho 20615
RE 20615

Inchi: InChI=1S/C14H16ClNO3/c1-9-4-3-5-10(2)13(9)16(12(17)8-15)11-6-7-19-14(11)18/h3-5,1**InchiKey:** OWDLFBLNMPXSD-UHFFFAOYSA-N**Formula:** C14H16ClNO3**SMILES:** Cc1ccc(C)c1N(C(=O)CCl)C1CCOC1=O**Mol. weight [g/mol]:** 281.74**CAS:** 58810-48-3

Physical Properties

Property code	Value	Unit	Source
gf	-42.08	kJ/mol	Joback Method
hf	-388.71	kJ/mol	Joback Method
hfus	35.52	kJ/mol	Joback Method
hvap	72.55	kJ/mol	Joback Method
log10ws	-2.80		Crippen Method
logp	2.191		Crippen Method
mcvol	204.730	ml/mol	McGowan Method
pc	2424.27	kPa	Joback Method
tb	770.15	K	Joback Method
tc	1009.46	K	Joback Method
tf	517.01	K	Joback Method
vc	0.753	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	583.54	J/mol×K	770.15	Joback Method

cpg	598.82	J/mol×K	810.03	Joback Method
cpg	612.79	J/mol×K	849.92	Joback Method
cpg	625.49	J/mol×K	889.80	Joback Method
cpg	636.96	J/mol×K	929.69	Joback Method
cpg	647.22	J/mol×K	969.57	Joback Method
cpg	656.31	J/mol×K	1009.46	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C58810483&Units=SI

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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