Acetamide, N-tetrahydrofurfuryl-2-phenyl-

Inchi: InChI=1S/C13H17NO2/c15-13(9-11-5-2-1-3-6-11)14-10-12-7-4-8-16-12/h1-3,5-6,12H,4,7
InchiKey: GLRRFYMIFNCWSD-UHFFFAOYSA-N
Formula: C13H17NO2
SMILES: O=C(Cc1ccccc1)NCC1CCCO1
Mol. weight [g/mol]: 219.28

Physical Properties

Property code	Value	Unit	Source
gf	81.89	kJ/mol	Joback Method
hf	-205.75	kJ/mol	Joback Method
hfus	32.08	kJ/mol	Joback Method
hvap	64.76	kJ/mol	Joback Method
log10ws	-2.43		Crippen Method
logp	1.524		Crippen Method
mcvol	176.830	ml/mol	McGowan Method
pc	2805.41	kPa	Joback Method
rinpol	1858.00		NIST Webbook
rinpol	1858.00		NIST Webbook
tb	669.79	K	Joback Method
tc	900.30	K	Joback Method
tf	402.75	K	Joback Method
vc	0.658	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	491.09	J/mol×K	669.79	Joback Method
cpg	508.04	J/mol×K	708.21	Joback Method
cpg	523.72	J/mol×K	746.63	Joback Method
cpg	538.19	J/mol×K	785.05	Joback Method
cpg	551.54	J/mol×K	823.47	Joback Method
cpg	563.81	J/mol×K	861.88	Joback Method
cpg	575.10	J/mol×K	900.30	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307140&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

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume