Benzamide, N-tetrahydrofurfuryl-4-ethyl-

Inchi: InChI=1S/C14H19NO2/c1-2-11-5-7-12(8-6-11)14(16)15-10-13-4-3-9-17-13/h5-8,13H,2-4
InchiKey: ADLVBZVVLUPSFD-UHFFFAOYSA-N
Formula: C14H19NO2
SMILES: CCc1ccc(C(=O)NCC2CCCO2)cc1
Mol. weight [g/mol]: 233.31

Physical Properties

Property code	Value	Unit	Source
gf	80.68	kJ/mol	Joback Method
hf	-237.86	kJ/mol	Joback Method
hfus	34.28	kJ/mol	Joback Method
hvap	67.65	kJ/mol	Joback Method
log10ws	-3.39		Crippen Method
logp	2.158		Crippen Method
mcvol	190.920	ml/mol	McGowan Method
pc	2502.50	kPa	Joback Method
rinpol	2075.00		NIST Webbook
rinpol	2075.00		NIST Webbook
tb	697.65	K	Joback Method
tc	924.71	K	Joback Method
tf	426.54	K	Joback Method
vc	0.715	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	543.42	J/mol×K	697.65	Joback Method
cpg	560.48	J/mol×K	735.49	Joback Method
cpg	576.31	J/mol×K	773.34	Joback Method
cpg	590.97	J/mol×K	811.18	Joback Method
cpg	604.52	J/mol×K	849.02	Joback Method
cpg	617.02	J/mol×K	886.86	Joback Method
cpg	628.54	J/mol×K	924.71	Joback Method

Sources

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=U307012&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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