Diphenyl formazan

Inchi: InChI=1S/C13H12N4/c1-3-7-12(8-4-1)16-14-11-15-17-13-9-5-2-6-10-13/h1-11,16H/b14-1
InchiKey: WNWBOKCOOMCJDA-VIQSXYKDSA-N
Formula: C13H12N4
SMILES: C(=NNc1ccccc1)N=Nc1ccccc1
Mol. weight [g/mol]: 224.26
CAS: 1885-34-3

Physical Properties

Property code	Value	Unit	Source
chs	-7288.20 ± 1.00	kJ/mol	NIST Webbook
hf	344.32	kJ/mol	Joback Method
hfs	457.90 ± 3.80	kJ/mol	NIST Webbook
hvap	65.50	kJ/mol	Joback Method
log10ws	-3.60		Crippen Method
logp	3.826		Crippen Method
mcvol	177.830	ml/mol	McGowan Method
pc	2147.32	kPa	Joback Method
tb	826.25	K	Joback Method
tc	1097.57	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1885343&Units=SI

Legend

chs: Standard solid enthalpy of combustion

hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation 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