Furaldehyde phenylhydrazone

Other names:	Furfural phenylhydrazone
	2-Furaldehyde, phenylhydrazone
	2-Furancarboxaldehyde, phenylhydrazone
	N-Phenyl-N'-furaldehyde hydrazone
Inchi:	InChI=1S/C11H10N2O/c1-2-5-10(6-3-1)13-12-9-11-7-4-8-14-11/h1-9,13H
InchiKey:	GGOUAWDZZIQPLT-UHFFFAOYSA-N
Formula:	C11H10N2O
SMILES:	C(=NNc1ccccc1)c1ccco1
Mol. weight [g/mol]:	186.21
CAS:	2216-75-3

Physical Properties

Property code	Value	Unit	Source
chs	-5641.30	kJ/mol	NIST Webbook
hfs	-116.50	kJ/mol	NIST Webbook
hfs	-151.00	kJ/mol	NIST Webbook
log10ws	-7.09		Crippen Method
logp	2.726		Crippen Method
mcvol	144.160	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2216753&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chs:	Standard solid enthalpy of combustion
hfs:	Solid phase enthalpy of formation at standard conditions

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume