2-(phenylhydrazinylidene)propanedinitrile

Inchi: InChI=1S/C9H6N4/c10-6-9(7-11)13-12-8-4-2-1-3-5-8/h1-5,12H
InchiKey: MENUYOGJCXAFFU-UHFFFAOYSA-N
Formula: C9H6N4
SMILES: N#CC(C#N)=NNc1ccccc1
Mol. weight [g/mol]: 170.18

Physical Properties

Property code	Value	Unit	Source
hf	463.10	kJ/mol	Joback Method
hvap	68.69	kJ/mol	Joback Method
log10ws	-0.36		Aqueous Solubility Prediction Method
logp	1.502		Crippen Method
mcvol	132.330	ml/mol	McGowan Method
pc	2805.41	kPa	Joback Method
tb	762.89	K	Joback Method
tc	1019.19	K	Joback Method

Sources

Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Joback Method: https://en.wikipedia.org/wiki/Joback_method

Legend

hf: 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