Hydrazinecarboxamide, 2-(phenylmethylene)-

Other names:	Benzaldehyde, semicarbazone
	Benzylidenesemicarbazide
	1-Benzylidenesemicarbazide
Inchi:	InChI=1S/C8H9N3O/c9-8(12)11-10-6-7-4-2-1-3-5-7/h1-6H,(H3,9,11,12)
InchiKey:	AKGUXECGGCUDCV-UHFFFAOYSA-N
Formula:	C8H9N3O
SMILES:	NC(=O)NN=Cc1ccccc1
Mol. weight [g/mol]:	163.18
CAS:	1574-10-3

Physical Properties

Property code	Value	Unit	Source
hf	84.98	kJ/mol	Joback Method
hvap	62.81	kJ/mol	Joback Method
log10ws	-1.91		Crippen Method
logp	0.689		Crippen Method
mcvol	127.030	ml/mol	McGowan Method
pc	3777.68	kPa	Joback Method
tb	662.37	K	Joback Method
tc	909.10	K	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=C1574103&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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