Ethyl N-phenylformimidate

Other names:	Methanimidic acid, N-phenyl-, ethyl ester
	Ethyl isoformanilide
Inchi:	InChI=1S/C9H11NO/c1-2-11-8-10-9-6-4-3-5-7-9/h3-8H,2H2,1H3
InchiKey:	DRDBNKYFCOLNQO-UHFFFAOYSA-N
Formula:	C9H11NO
SMILES:	CCOC=Nc1ccccc1
Mol. weight [g/mol]:	149.19
CAS:	6780-49-0

Physical Properties

Property code	Value	Unit	Source
hf	-42.56	kJ/mol	Joback Method
hvap	43.63	kJ/mol	Joback Method
log10ws	-2.04		Crippen Method
logp	2.383		Crippen Method
mcvol	125.460	ml/mol	McGowan Method
pc	2850.52	kPa	Joback Method
tb	531.10	K	Joback Method
tc	756.68	K	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	374.50 ± 0.50	K	2.00	NIST Webbook

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

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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature