N-methyl-o-fluorobenzylidenimine

Inchi: InChI=1S/C8H8FN/c1-10-6-7-4-2-3-5-8(7)9/h2-6H,1H3/b10-6+
InchiKey: JKMWEMKTKPWIFC-UXBLZVDNSA-N
Formula: C8H8FN
SMILES: CN=Cc1ccccc1F
Mol. weight [g/mol]: 137.15
CAS: 116529-36-3

Physical Properties

Property code	Value	Unit	Source
hf	-97.28	kJ/mol	Joback Method
hvap	38.84	kJ/mol	Joback Method
log10ws	-1.87		Crippen Method
logp	1.874		Crippen Method
mcvol	107.270	ml/mol	McGowan Method
pc	3018.96	kPa	Joback Method
tb	490.05	K	Joback Method
tc	711.25	K	Joback Method

Sources

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=C116529363&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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