

Oxime of 2-(n,n-dimethylthiocarbamoyl thio)-acetophenone

Inchi:	InChI=1S/C11H14N2OS2/c1-13(2)11(15)16-8-10(12-14)9-6-4-3-5-7-9/h3-7,14H,8H2,1-2H
InchiKey:	FCNHNKPLMPCWQH-BENRWUELSA-N
Formula:	C11H14N2OS2
SMILES:	CN(C)C(=S)SCC(=NO)c1ccccc1
Mol. weight [g/mol]:	254.37
CAS:	91180-88-0

Physical Properties

Property code	Value	Unit	Source
hf	142.26	kJ/mol	Joback Method
hvap	78.02	kJ/mol	Joback Method
log10ws	-2.25		Crippen Method
logp	2.445		Crippen Method
mcvol	192.020	ml/mol	McGowan Method
pc	2940.89	kPa	Joback Method
tb	797.76	K	Joback Method
tc	1036.08	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C91180880&Units=SI
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

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

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