

2-Methoxy-4-nitrophenyl isothiocyanate

Inchi: InChI=1S/C8H6N2O3S/c1-13-8-4-6(10(11)12)2-3-7(8)9-5-14/h2-4H,1H3
InchiKey: NXWXXLFRMVILJN-UHFFFAOYSA-N
Formula: C8H6N2O3S
SMILES: COc1cc([N+](=O)[O-])ccc1N=C=S
Mol. weight [g/mol]: 210.21
CAS: 190774-55-1

Physical Properties

Property code	Value	Unit	Source
hf	146.23	kJ/mol	Joback Method
hvap	66.44	kJ/mol	Joback Method
log10ws	-3.16		Crippen Method
logp	2.338		Crippen Method
mvol	140.840	ml/mol	McGowan Method
pc	3594.25	kPa	Joback Method
tb	739.29	K	Joback Method
tc	1017.51	K	Joback Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C190774551&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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