Carbonimidodithioic acid, methyl-, dimethyl ester

Other names: Dimethyl methyldithioimidocarbonate
N-Methyl-dithiocarbonimidic acid dimethyl ester
Inchi: InChI=1S/C4H9NS2/c1-5-4(6-2)7-3/h1-3H3
InchiKey: YUYOKNUOMDVHTO-UHFFFAOYSA-N
Formula: C4H9NS2
SMILES: CN=C(SC)SC
Mol. weight [g/mol]: 135.25
CAS: 18805-25-9

Physical Properties

Property code	Value	Unit	Source
hf	30.28	kJ/mol	Joback Method
hvap	41.53	kJ/mol	Joback Method
log10ws	-1.42		Crippen Method
logp	1.698		Crippen Method
mcvol	105.600	ml/mol	McGowan Method
pc	3594.25	kPa	Joback Method
tb	505.04	K	Joback Method
tc	750.42	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=C18805259&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