

Piperidine, 1,1'-thiobis-

Other names:	Piperidine, 1,1'-thiodi- Dipiperidino sulfide
Inchi:	InChI=1S/C10H20N2S/c1-3-7-11(8-4-1)13-12-9-5-2-6-10-12/h1-10H2
InchiKey:	YNQDTNFXKPJZLM-UHFFFAOYSA-N
Formula:	C10H20N2S
SMILES:	C1CCN(SN2CCCCC2)CC1
Mol. weight [g/mol]:	200.34
CAS:	25116-80-7

Physical Properties

Property code	Value	Unit	Source
chs	-7328.00 ± 15.00	kJ/mol	NIST Webbook
hsub	50.00	kJ/mol	NIST Webbook
log10ws	-2.80		Crippen Method
logp	2.521		Crippen Method
mcvol	166.350	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C25116807&Units=SI

Legend

chs:	Standard solid enthalpy of combustion
hsub:	Enthalpy of sublimation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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<https://www.chemeo.com/cid/40-888-2/Piperidine-1-1-thiobis.pdf>

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