

Dimorpholinodisulfide

Other names:	Morpholine, 4,4'-dithiobis-
	Accel R
	Bismorpholino disulfide
	Dimorpholine disulfide
	Dimorpholino disulfide
	Disulfide, dimorpholino-
	Dithiobis(morpholine)
	Morpholine disulfide
	Morpholine, 4,4'-dithiodi-
	Morpholino disulfide
	N,N'-Bismorpholine disulfide
	N,N'-Dithiodimorpholine
	Sulfasan
	Sulfasan R
	USAF EK-T-6645
	USAF B-17
	4,4'-Dithiobis(morpholine)
	4,4'-Dithiomorpholine
	N,N'-Dithiodimorpholin
	Sulfazan R
	4,4'-Dimorpholine disulphide
	Akrochem accelerator R
	Dimorpholine N,N'-disulfide
	Morpholine, N,N'-disulfide
	Naugex SD-1
	Vanax A
	Deovulc M
	NSC 65239
	Sanfel R
	di(morpholin-4-yl) disulphide
Inchi:	InChI=1S/C8H16N2O2S2/c1-5-11-6-2-9(1)13-14-10-3-7-12-8-4-10/h1-8H2
InchiKey:	HLBZWYXLQJQBKU-UHFFFAOYSA-N
Formula:	C8H16N2O2S2
SMILES:	C1CN(SSN2CCOCC2)CCO1
Mol. weight [g/mol]:	236.36

Physical Properties

Property code	Value	Unit	Source
hvap	76.26	kJ/mol	Cheméo Relay (1.0)
ie	8.25	eV	Cheméo Relay (1.0)
log10ws	-1.27		Cheméo Relay (1.0)
logp	0.862		Crippen Method
mcvol	166.260	ml/mol	McGowan Method
tb	605.83	K	Cheméo Relay (1.0)
tf	296.81	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C103344&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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