Harvade

Other names:	p-Dithiane, 2,3-dehydro-2,3-dimethyl-, tetroxide
	2,3-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetroxide
	Dimethipin
	Harvade
	N 252
	Oxidimethiin
	Tetrathiin
	UBI-N 252
	Tetrathiin (desiccant)
	2,3-dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide
Inchi:	InChI=1S/C6H10O4S2/c1-5-6(2)12(9,10)4-3-11(5,7)8/h3-4H2,1-2H3
InchiKey:	PHVNLLCAQHGNKU-UHFFFAOYSA-N
Formula:	C6H10O4S2
SMILES:	CC1=C(C)S(=O)(=O)CCS1(=O)=O
Mol. weight [g/mol]:	210.28

Physical Properties

Property code	Value	Unit	Source
hfus	24.31	kJ/mol	Joback Method
logp	0.081		Crippen Method
mcvol	136.420	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	260.42	J/mol×K	423.68	Joback Method
cpg	272.92	J/mol×K	454.23	Joback Method
cpg	284.90	J/mol×K	484.79	Joback Method
cpg	296.36	J/mol×K	515.34	Joback Method
cpg	307.29	J/mol×K	545.89	Joback Method
cpg	317.69	J/mol×K	576.45	Joback Method
cpg	327.58	J/mol×K	607.00	Joback Method

Sources

Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55290647&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
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):	

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume