

Benzothiazole, 2,2'-dithiobis-

Other names: Altax
Benzothiazol-2-yl disulfide
Benzothiazole disulfide
Benzothiazolyl disulfide
Benzothiazyl disulfide
Bis(benzothiazolyl) disulfide
Bis(2-benzothiazolyl) disulfide
Bis(2-benzothiazyl) disulfide
Dibenzothiazolyl disulfide
Ekagom GS
MBTS
MBTS Rubber Accelerator
Pneumax DM
Royal MBTS
Thiofide
Vulcafor MBTS
Vulkacit DM
Vulkacit DM/C
2-Benzothiazolyl disulfide
2-Mercaptobenzothiazole disulfide
2,2'-Benzothiazyl disulfide
2,2'-Dibenzothiazyl disulfide
2,2'-Dithiobis[benzothiazole]
Accel TM
Di-2-benzothiazolyl disulfide
Dibenzoylthiazyl disulfide
2-Mercaptobenzothiazyl disulfide
Dibenzothiazolyl disulphide
Dwusiarczek dwubenzotiazylu
USAF CY-5
USAF EK-5432
Vulkacit DM/MGC
Dibenzothiazole disulfide
Dibenzthiazyl disulfide
Mercaptobenzthiazyl ether
Naugex MBT
Perkacit MBTS
2-Benzothiazyl disulfide
Dibenzothiazyl disulfide
Sanceler DM

Inchi:	di(benzothiazol-2-yl) disulphide
InchiKey:	InChI=1S/C14H8N2S4/c1-3-7-11-9(5-1)15-13(17-11)19-20-14-16-10-6-2-4-8-12(10)18-14
Formula:	C14H8N2S4
SMILES:	c1ccc2sc(SSc3nc4ccccc4s3)nc2c1
Mol. weight [g/mol]:	332.49
CAS:	120-78-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.42		Crippen Method
logp	5.705		Crippen Method
mcvol	215.640	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C120785&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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