Morpholine, 4-(2-benzothiazolylthio)-

Other names:
Benzothiazole, 2-(morpholinothio)-
2-(Morpholinothio)benzothiazole
Amax
Benzothiazole, 2-(4-morpholinylthio)-
Benzothiazolyl-2-sulfenmorpholide
Morpholinylmercaptobenzothiazole
N-(Oxodiethylene)-2-benzothiazolesulfenamide
N-(Oxydiethylene)-2-benzothiazolesulfenamide
N-(Oxydiethylene)benzothiazole-2-sulfenamide
N-(Oxydiethylene)benzothiazylsulfenamide
N,N-(Oxydiethylene)-2-benzothiazolesulfenamide
N,N-(Oxydiethylene)-2-benzothiazylsulfenamide
N,N-(Oxydiethylene)benzothiazole-2-sulfenamide
NOBS Special
Santocure MOR
Sulfenamide M
Sulfenax MOR
Vulcafor BSM
Vulkacit MOZ
2-(4-Morpholinothio)benzothiazole
2-(4-Morpholinylmercapto)benzothiazole
2-Benzothiazolesulfenamide, N-morpholinyl-
2-Benzothiazolesulfenemorpholide
2-Benzothiazolyl N-morpholino sulfide
2-Benzothiazolylsulfenyl morpholine
4-(2-Benzothiazolylthio)morpholine
USAF CY-7
2-(4-Morpholinylthio)benzothiazole
N-Oxydiethyl-2-benzthiazolsulfenamid
Sulfenax mob
2-(Morpholinthio)-benzothiazole
Accelerator NC
Delac MOR
OBTS
MBS
Meramide M
Accel NS
NSC 70078

Inchi: InChI=1S/C11H12N2OS2/c1-2-4-10-9(3-1)12-11(15-10)16-13-5-7-14-8-6-13/h1-4H,5-8H2

InchiKey: MHKLKWCYGIBEQF-UHFFFAOYSA-N

Formula: C11H12N2OS2
SMILES: c1ccc2sc(SN3CCOCC3)nc2c1
Mol. weight [g/mol]: 252.36
CAS: 102-77-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.34		Crippen Method
logp	2.636		Crippen Method
mcvol	174.600	ml/mol	McGowan Method
tf	359.45 ± 0.35	K	NIST Webbook
tf	360.05 ± 0.20	K	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C102772&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tf: Normal melting (fusion) point