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DATASHEET

MTSSL

Product overview

Name	MTSSL
Cat No	HB3984
Purity	>98%
Description	Highly reactive, thiol-specific spin-label

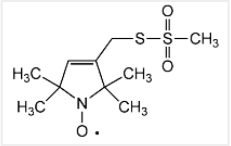
Biological Data

Biological description	Highly reactive, thiol-specific spin-label. Specific conformational probe of thiol site structure by its minimal rotational freedom and distance from the covalent disulfide linkage to the macromolecule under study. Used to label cysteine residues in proteins (site-directed labeling, SDS-labeling). Allows protein structure and protein dynamics determination as well as the study of protein-protein and protein-oligonucleotide interactions.

Solubility & Handling

Storage instructions	+4°C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(1-Oxyl-2,2,5,5-tetramethylpyrroline-3- methyl)methanethiosulfonate
Molecular Weight	264.3
Chemical structure	
Molecular Formula	$C_{10}H_{18}NO_3S_2$
CAS Number	81213-52-7
PubChem identifier	0
SMILES	CC1(C)C=C(CS[S](C)(=O)=O)C(C)(C)N1[O]
InChiKey	BLSCGBLQCTWVPO-UHFFFAOYSA-N
Appearance	Yellow crystalline solide