Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@m2stage.hellobio.com



# **DATASHEET**

MTSSI

#### **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

264.3

Important

This product is for RESEARCH USE ONLY and is not intended for the rapeutic or diagnostic use. Not

for human or veterinary use.

#### **Chemical Data**

Chemical name Molecular Weight Chemical structure (1-Oxyl-2,2,5,5-tetramethylpyrroline-3- methyl)methanethiosulfonate

C<sub>10</sub>H<sub>18</sub>NO<sub>3</sub>S<sub>2</sub>

81213-52-7

Molecular Formula
CAS Number
PubChem identifier

ubChem identifier

SMILES InChiKey Appearance  $\begin{array}{l} 0 \\ CC1(C)C=C(CS[S](C)(=O)=O)C(C)(C)N1[O] \end{array}$ 

BLSCGBLQCTWVPO-UHFFFAOYSA-N

Yellow crystalline solide