



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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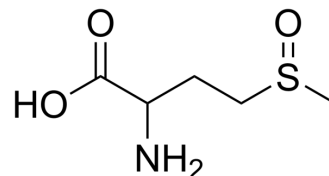
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## Methionine sulfoxide

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-W010104A  |
| <b>CAS No.:</b>           | 62697-73-8   |
| <b>Molecular Formula:</b> | C <sub>5</sub> H <sub>11</sub> NO <sub>3</sub> S   |
| <b>Molecular Weight:</b>  | 165.21   |
| <b>Target:</b>            | Endogenous Metabolite  |
| <b>Pathway:</b>           | Metabolic Enzyme/Protease  |
| <b>Storage:</b>           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 250 mg/mL (1513.23 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent       |  | Mass      |            |            |
|---------------------------|---------------|--|-----------|------------|------------|
|                           | Concentration |  | 1 mg      | 5 mg       | 10 mg      |
|                           | 1 mM          |  | 6.0529 mL | 30.2645 mL | 60.5290 mL |
|                           | 5 mM          |  | 1.2106 mL | 6.0529 mL  | 12.1058 mL |
|                           | 10 mM         |  | 0.6053 mL | 3.0265 mL  | 6.0529 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Methionine sulfoxide is an oxidation product of methionine with reactive oxygen species and can be regarded as a biomarker of oxidative stress in vivo.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

### REFERENCES

[1]. Mashima R, et al. Simultaneous determination of methionine sulfoxide and methionine in blood plasma using gas chromatography-mass spectrometry. *Anal Biochem.* 2003 Feb 1;313(1):28-33.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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