



# 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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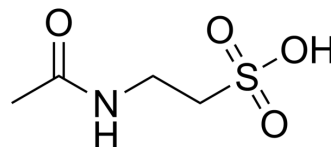
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## N-Acetyltaurine

|                    |                                                 |       |          |
|--------------------|-------------------------------------------------|-------|----------|
| Cat. No.:          | HY-W587486                                      |       |          |
| CAS No.:           | 19213-70-8                                      |       |          |
| Molecular Formula: | C <sub>4</sub> H <sub>9</sub> NO <sub>4</sub> S |       |          |
| Molecular Weight:  | 167.18                                          |       |          |
| Target:            | Bacterial                                       |       |          |
| Pathway:           | Anti-infection                                  |       |          |
| Storage:           | Powder                                          | -20°C | 3 years  |
|                    |                                                 | 4°C   | 2 years  |
|                    | In solvent                                      | -80°C | 6 months |
|                    |                                                 | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 175 mg/mL (1046.78 mM; Need ultrasonic)  
H<sub>2</sub>O : 175 mg/mL (1046.78 mM; Need ultrasonic)

|                              | Solvent<br>Concentration | Mass      |            |            |
|------------------------------|--------------------------|-----------|------------|------------|
|                              |                          | 1 mg      | 5 mg       | 10 mg      |
| Preparing<br>Stock Solutions | 1 mM                     | 5.9816 mL | 29.9079 mL | 59.8158 mL |
|                              | 5 mM                     | 1.1963 mL | 5.9816 mL  | 11.9632 mL |
|                              | 10 mM                    | 0.5982 mL | 2.9908 mL  | 5.9816 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

N-Acetyltaurine is a sulfonate that can serve as a carbon source or a nitrogen source, and an energy source for microbial growth (such as the NAT strain). Additionally, N-Acetyltaurine is also a substrate for the amidase enzyme, porcine kidney N-acetyl-β-alanine deacetylase [EC 3.5.1.21]<sup>[1]</sup>.

### REFERENCES

[1]. Mayer J, et al. N-Acetyltaurine dissimilated via taurine by Delftia acidovorans NAT[J]. Archives of microbiology, 2006, 186: 61-67.

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

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