



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC Handels GmbH

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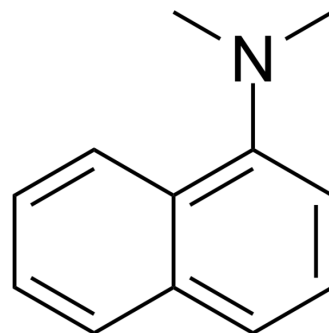
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## N,N-Dimethyl-1-naphthylamine

**Cat. No.:** HY-D0222  
**CAS No.:** 86-56-6  
**Molecular Formula:** C<sub>12</sub>H<sub>13</sub>N  
**Molecular Weight:** 171.24  
**Target:** Fluorescent Dye  
**Pathway:** Others  
**Storage:** 4°C, protect from light  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 200 mg/mL (1167.95 mM; Need ultrasonic)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 5.8398 mL | 29.1988 mL | 58.3976 mL |
|                              | 5 mM                     |      | 1.1680 mL | 5.8398 mL  | 11.6795 mL |
|                              | 10 mM                    |      | 0.5840 mL | 2.9199 mL  | 5.8398 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

N,N-Dimethyl-1-naphthylamine is an aromatic amine and a dye. N,N-Dimethyl-1-naphthylamine can be used in nitrate reduction test<sup>[1][2]</sup>.

### REFERENCES

[1]. Kasali A. Bello, et al. Violet to cyan azo dyes derived from 4-amino-3-nitrobenzaldehyde as diazo component. Dyes and Pigments. 1989, 65-76.

[2]. Tsikas D. Analysis of nitrite and nitrate in biological fluids by assays based on the Griess reaction: appraisal of the Griess reaction in the L-arginine/nitric oxide area of research. J Chromatogr B Analyt Technol Biomed Life Sci. 2007 May 15;851(1-2):51-70.

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

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