



# 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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## TEMPO

Stabilized free radical  
Catalog No. SIH-155



Discovery through partnership | Excellence through quality

### Overview

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#### Product Name

TEMPO

#### Description

Stabilized free radical

#### Purity

>98%

#### CAS No.

2564-83-2

#### Molecular Formula

C<sub>11</sub>H<sub>11</sub>NO

#### Molecular Weight

156.25

### Properties

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#### Storage Temperature

-20°C

#### Shipping Temperature

Shipped Ambient

#### Product Type

Inhibitor

#### Solubility

Soluble in 50 mg/ml of ethanol

#### Source

Synthetic

#### Appearance

White Solid

#### SMILES

CC1(CCCC(N1[O]))(C)C

#### InChI

InChI=1S/C9H18NO/c1-8(2)6-5-7-9(3,4)10(8)11/h5-7H2,1-4H3

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**InChIKey**

QYTDEUPAUMOIOP-UHFFFAOYSA-N

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**Safety Phrases**

Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Risk Phrases:

R34- Causes Burns

Hazard Phrases:

H314

Precautionary Phrases:

P280-P305 + P351 + P338-P310

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**Cite This Product**

TEMPO (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-155)

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**Biological Description**

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**Alternative Names**

2,2,6,6-Tetramethylpiperidine 1-oxyl, 2,2,6,6-Tetramethyl-1-piperidinyloxy, free radical, (2,2,6,6-Tetramethyl-1-piperidinyl)oxidanyl, 1,1,5,5-tetramethylpentamethylene nitroxide, 2,2,6,6-Tetramethylpiperidine-1-oxyl

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**Research Areas**

Cancer, Oxidative Stress

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**PubChem ID**

2724126

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**Scientific Background**

TEMPO is widely used as a radical trap, as a structural probe for biological systems in conjunction with electron spin resonance spectroscopy, as a reagent in organic synthesis, and as a mediator in controlled free radical polymerization (1).

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**References**

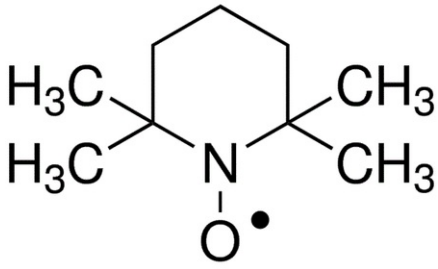
1. Montanari F., Quici S., Henry-Riyad H., Tidwell T.T. (2005) Encyclopedia of Reagents for Organic Synthesis. John Wiley & Sons.

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**Product Images**

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Chemical structure of TEMPO (SIH-155), a Stabilized free radical. CAS #: 2564-83-2.  
Molecular Formula: C<sub>9</sub>H<sub>18</sub>NO . Molecular Weight: 156.25 g/mol.



### Product Citations (0)

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Currently there are no citations for this product.

### Reviews

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There are no reviews yet.