



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

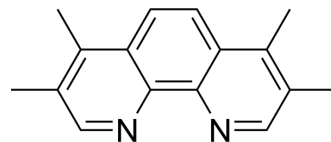
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

3,4,7,8-Tetramethyl-1,10-phenanthroline

Cat. No.:	HY-34515
CAS No.:	1660-93-1
Molecular Formula:	C ₁₆ H ₁₆ N ₂
Molecular Weight:	236.31
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	Ethanol : 50 mg/mL (211.59 mM; warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	4.2317 mL	21.1586 mL	42.3173 mL
		5 mM	0.8463 mL	4.2317 mL	8.4635 mL
		10 mM	0.4232 mL	2.1159 mL	4.2317 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.58 mg/mL (10.92 mM); Clear solution				
	2. Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.58 mM); Clear solution				
	3. Add each solvent one by one: 10% EtOH >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.58 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	3,4,7,8-Tetramethyl-1,10-phenanthroline (TMPhen) is an organic molecule commonly used as a ligand or catalyst. It has a wide range of applications in different fields, such as organometallic chemical reactions, electrochemical detection, and organic optoelectronic devices. Due to its excellent performance in fluorescent probes, biosensors and photocatalytic reactions, it has been widely used in research in the fields of chemistry and life sciences.
In Vitro	3,4,7,8-Tetramethyl-1,10-phenanthroline is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA