



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

Quellenstraße 110, A-1100 Wien

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

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

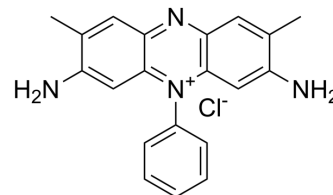
mail@szabo-scandic.com

www.szabo-scandic.com

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

Safranin

Cat. No.:	HY-D0215
CAS No.:	477-73-6
Molecular Formula:	C ₂₀ H ₁₉ ClN ₄
Molecular Weight:	350.84
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 : 25 mg/mL (71.26 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.8503 mL	14.2515 mL	28.5030 mL
				5 mM	0.5701 mL	2.8503 mL	5.7006 mL
				10 mM	0.2850 mL	1.4252 mL	2.8503 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.13 mM); Clear solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	Safranin (Safranin T) is an important and classical phenazinium dye. Safranin has been extensively used in the academic field as a spectroscopic probe and indicator. Safranin possesses a planar structure and cationic charge. It can readily intercalate into biological macromolecules, including DNA and proteins. Safranin can be used as a redox indicator in the determination of metal ion concentration ^[1] .
-------------	--

REFERENCES

[1]. Wan H, et al. Structure characterization and optical properties investigation of the four main components of the classical phenazinium dye Safranin O. Analyst. 2019;144(24):7149-7156.

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