



# 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

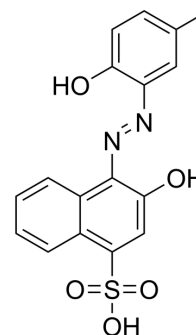
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Calmagite

<b>Cat. No.:</b>	HY-D0801
<b>CAS No.:</b>	3147-14-6
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	358.37
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 33.33 mg/mL (93.00 mM; Need ultrasonic)					
	H <sub>2</sub> O : 7.14 mg/mL (19.92 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.7904 mL	13.9521 mL	27.9041 mL
<b>5 mM</b>			0.5581 mL	2.7904 mL	5.5808 mL	
	<b>10 mM</b>		0.2790 mL	1.3952 mL	2.7904 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.98 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.98 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Calmagite is a complexometric indicator which can be used to detect calcium and magnesium in various samples.
--------------------	---

### REFERENCES

[1]. Rasouli Z, et al. Simultaneously detection of calcium and magnesium in various samples by calmagite and chemometrics data processing. Spectrochim Acta A Mol Biomol Spectrosc. 2016 Dec 5;169:72-81.

---

**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](mailto:tech@MedChemExpress.com)

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