



# 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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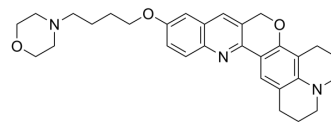
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## CQ-Lyso

Cat. No.:	HY-D2119
CAS No.:	2089438-23-1
Molecular Formula:	C <sub>30</sub> H <sub>35</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	485.62
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

DMF : 100 mg/mL (205.92 mM; ultrasonic and warming and heat to 80°C)  
DMSO : 100 mg/mL (205.92 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		2.0592 mL	10.2961 mL	20.5922 mL
	5 mM		0.4118 mL	2.0592 mL	4.1184 mL
	10 mM		0.2059 mL	1.0296 mL	2.0592 mL

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

### BIOLOGICAL ACTIVITY

#### Description

CQ-Lyso is a lysosome-targeting chromenoquinoline. CQ-Lyso is a fluorescent probe for measuring the pH of lysosomes in living cells using only single wavelength excitation. CQ-Lyso can visualize the dynamic pH changes in lysosomes<sup>[1]</sup>.

### REFERENCES

[1]. Liu X, et al. Ratiometric Fluorescent Probe for Lysosomal pH Measurement and Imaging in Living Cells Using Single-Wavelength Excitation. Anal Chem. 2017 Jul 5;89(13):7038-7045.

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

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