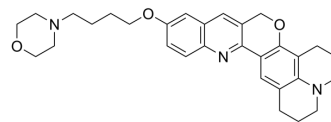


CQ-Lyso

Cat. No.:	HY-D2119
CAS No.:	2089438-23-1
Molecular Formula:	C ₃₀ H ₃₅ N ₃ O ₃
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
		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^[1].

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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