

Product Data Sheet

Product Name: CQ-Lyso
Cat. No.: GC74215

Chemical Properties

Cas. No. 2089438-23-1

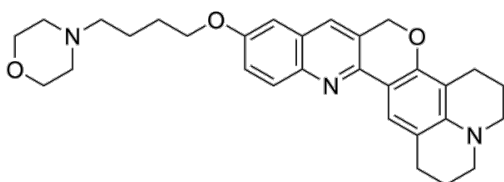
Formula $C_{30}H_{35}N_3O_3$ M.Wt 485.62

Solubility 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) Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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.

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

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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.

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