

Mito-Rh-S

Chemical Properties

CAS No. :

Formula: C₄₀H₃₉ClN₂O₅S

Molecular Weight:

Keep away from direct sunlight

Storage:

Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Mito-Rh-S is a near-infrared (NIR) fluorescent probe designed to detect fluctuations in mitochondrial HClO levels during ferroptosis in hepatocellular carcinoma (HCC).
Targets(IC50)	Ferroptosis
In vitro	Mito-Rh-S features an ultra-fast response time of 2 seconds and a large emission shift of 115 nm. It possesses a high signal-to-noise ratio. Cellular experiments with Mito-Rh-S reveal that in HepG2 cells, Fe ²⁺ and Erastin-induced ferroptosis lead to increased mitochondrial HClO levels.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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