

HMSiR680-Me

Chemical Properties

CAS No. :

Formula: C32H44N3O2Si

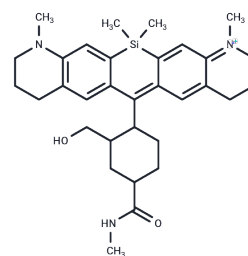
Molecular Weight: 530.8

Keep away from direct sunlight

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	HMSiR680-Me is a bright and stable fluorescent dye designed for multicolor, time-lapse, and super-resolution imaging to observe acidic organelles. It is suitable for overnight time-lapse experiments and rapid continuous super-resolution microscopy imaging, maintaining imaging quality for at least 1000 frames. HMSiR680-Me can also be used with silicon rhodamine dyes in multiplexed super-resolution microscopy experiments, enabling the visualization of interactions between the mitochondrial inner membrane and lysosomes using a single excitation laser and simultaneous depletion technique.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8839 mL	9.4197 mL	18.8395 mL
5 mM	0.3768 mL	1.8839 mL	3.7679 mL
10 mM	0.1884 mL	0.942 mL	1.8839 mL
50 mM	0.0377 mL	0.1884 mL	0.3768 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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