

HMSiR-Halo

Cot No.	Material	Amount	Storage	Stability
A201-01	HMSiR-Halo	15 nm	Store at $< -20^{\circ}\text{C}$, desiccate and protect from light. Use completely once in DMSO solution.	1 year (unopened)
A201-02		30 nm		

HMSiR-Halo is a fluorescent imaging probe for super-resolution imaging. The probe blinks spontaneously under physiologic conditions, without thiols, oxygen scavengers or irradiation with high-power laser, all of which were necessary for the blinking of fluorescent dyes in the previous dSTORM methods. Irradiation at 405 nm laser, which is needed for the observation with Alexa Fluor® 647, is not necessary with this probe. **HMSiR-Halo** has a chloroalkane base that specifically attaches to HaloTag® fusion proteins. HaloTag® fusion proteins in live cells are easily labeled with the probe.