

HS-27

## Chemical Properties

CAS No. : 1562024-11-6

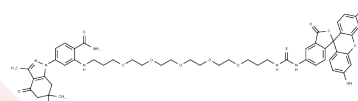
Formula: C52H60N6O12S

Molecular Weight: 993.13

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	HS-27 is a fluorescently-tethered inhibitor of Hsp90 with SNX-5422 tethered via a PEG linker to a fluorescein isothiocyanate or FITC. HS-27 can be used in see-and-treat paradigms.
Targets(IC50)	HSP,PROTAC Linker
In vitro	HS-27 selectively labels all receptor subtypes of breast cancer cells over normal cells, demonstrating increased fluorescence in tumor tissue compared to non-tumor tissue[1].

## Solubility Information

Solubility	DMSO: 90 mg/mL (90.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (3.32 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.0069 mL	5.0346 mL	10.0692 mL
5 mM	0.2014 mL	1.0069 mL	2.0138 mL
10 mM	0.1007 mL	0.5035 mL	1.0069 mL
50 mM	0.0201 mL	0.1007 mL	0.2014 mL

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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.

### Reference

Crouch BT, et al. Exploiting heat shock protein expression to develop a non-invasive diagnostic tool for breast cancer. Sci Rep. 2019 Mar 5;9(1):3461.

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