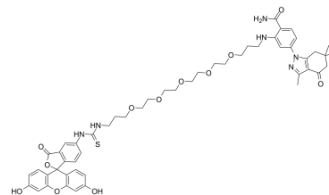


## HS-27

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-130851   |
| CAS No.:           | 1562024-11-6  |
| Molecular Formula: | C <sub>52</sub> H <sub>60</sub> N <sub>6</sub> O <sub>12</sub> S      |
| Molecular Weight:  | 993.13  |
| Target:            | HSP   |
| Pathway:           | Cell Cycle/DNA Damage; Metabolic Enzyme/Protease                      |
| Storage:           | Please store the product under the recommended conditions in the COA. |



### BIOLOGICAL ACTIVITY

|                                     |   |
|-------------------------------------|---|
| <b>Description</b>                  | HS-27, a fluorescently-tethered <b>Hsp90</b> inhibitor, assays surface Hsp90 expression on intact tissue specimens. HS-27 is made up of the core elements of SNX-5422, an Hsp90 inhibitor, tethered via a PEG linker to a fluorescein derivative (fluorescein isothiocyanate or FITC), that binds to ectopically expressed Hsp90. HS-27 has potential use in a see-and-treat paradigm in breast cancer <sup>[1]</sup> . |
| <b>IC<sub>50</sub> &amp; Target</b> | HSP90   |
| <b>In Vitro</b>                     | HS-27 labels all receptor subtypes of breast cancer, but not normal cells, and specifically binds to Hsp90 expressed on the surface of breast cancer cells before being internalized. HS-27 fluorescence is greater in tumor than non-tumor tissue <sup>[1]</sup> .   |

### REFERENCES

[1]. 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA