

## HS-131 biochemical

HS-131

CATALOG #  
AAA228083

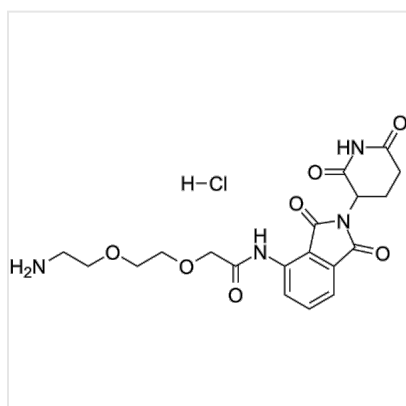
### PRODUCT SYNONYMS

HS-131; HS-131 biochemical

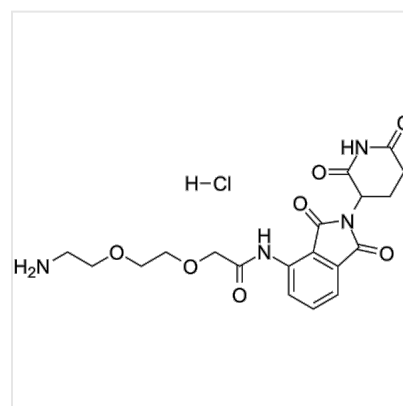
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CAS                     | 2084850-40-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| In vitro                | HS131 (10 nmol/mouse) could label breast cancers with different molecular subtypes, including MCF-7 and T-47D for luminal type, BT474M1 and KPL-4 for HER2+ subtype, MDA-MB-231 and MDA-MB-468 for triple negative subtype were chosen after considering the tumorigenic capacities of breast cancer cell lines in SCID mice[1]. Animal Model: SCID-beige mice bearing human breast cancer xenografts of different molecular subtypes[1]. Dosage: 10 nmol/mouse. Administration: Injected intravenously. Result: All breast cancer xenografts with different molecular subtypes showed stronger nIR signals in tumor by intravenous administration of HS131 compared to HS152, and the retention of the nIR signals was detectable even at the 24 h time point in HS131 injected mice. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### IMAGES



Structure  
Thalidomide-amido-PEG2-NH2 hydrochloride, CAS 2380273-73-2



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Thalidomide-amido-PEG2-NH2 hydrochloride, CAS 2380273-73-2

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for HS-131 biochemical | HS-131, a near infrared dye tethered Hsp90 inhibitor, is able to detect oncogene-driven breast cancers, including multiple different molecular subtypes of human breast cancers.                                                                                                                                                                                                                |
| References                                         | <ol style="list-style-type: none"> <li>1. Sato T, et al. Cereblon-Based Small-Molecule Compounds to Control Neural Stem Cell Proliferation in Regenerative Medicine. <i>Front Cell Dev Biol.</i> 2021;9:629326. Published 2021 Mar 11.</li> <li>2. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. <i>Cell Chem Biol.</i> 2020;27(8):998-985.</li> </ol> |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/hs-131/228083>