

## CAY10564 biochemical

CAY10564

CATALOG #  
AAA227095

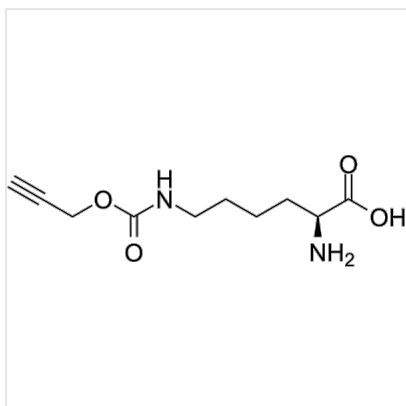
### PRODUCT SYNONYMS

CAY10564; H-L-Lys(Poc)-OH; CAY10564 biochemical

### PRODUCT SPECIFICATIONS

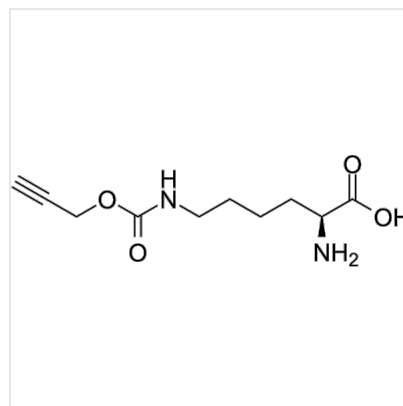
|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                  |
| Solubility              | DMSO: 10 mg/mL<br><br>DMSO:PBS (pH 7.2)(1:5): 0.25 mg/mL<br><br>Ethanol: 1 mg/mL<br><br>DMF: 10 mg/mL<br><1mg/ml refers to the product slightly soluble or insoluble |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                             |

### IMAGES



Structure

N-epsilon-propargyloxycarbonyl-L-lysine, CAS 1215204-46-8



Structure

N-epsilon-propargyloxycarbonyl-L-lysine, CAS 1215204-46-8

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for<br>CAY10564 biochemical | S-Nitrosothiols (RSNOs) are a class of molecules that function as exogenous and endogenous nitric oxide (NO) donors. RSNOs found in vivo include proteins such as S-nitrosohemoglobin and S-nitrosoalbumin, as well as low molecular weight species such as S-nitrosoglutathione (GSNO) and S-nitrosocysteine (CysNO). CAY10564 is a member of a new class of S-nitrosothiol species that act as NO donors under acidic conditions. It decomposes with a half-life of one minute in 0.1 M phosphate buffer, pH 5.0, at 37 degree C and relaxes phenylephrine-constricted rat aortic strips 59% and 16% at pH 6.0 and 7.4, respectively. |
| References                                              | 1. Kyung Jin Lee, et al. Site-Specific Labeling of Proteins Using Unnatural Amino Acids. Mol Cells. 2019 May 31;42(5):386-396.<br>2. Enke HEIKE, et al. Modified microcystins and nodularins.WO2018206715A2                                                                                                                                                                                                                                                                                                                                                                                                                             |

**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://www.aaabiotech.com/biochemical/cay10564/227095>