
Product Data Sheet

Product Name: N- ϵ -propargyloxycarbonyl-L-lysine

Cat. No.: GC64150

Chemical Properties

Cas. No. 1215204-46-8

Formula C₁₀H₁₆N₂O₄ M.Wt 228.25

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

N- ϵ -propargyloxycarbonyl-L-lysine (H-L-Lys(Poc)-OH) is a lysine-based unnatural amino acid (UAA). N- ϵ -propargyloxycarbonyl-L-lysine is widely used for bio-conjugation of fluorescent probes in diverse organisms from E. coli to mammalian cells even in animals[1][2].

Labeling of N- ϵ -propargyloxycarbonyl-L-lysine (H-L-Lys(Poc)-OH)-carrying cellular proteins, such as Sec61 β , Htt74Q and the histone H3 variant H3.3, with a sensitive Raman tag by click chemistry for molecular hyperspectral SRS imaging[1].

[1]. Kyung Jin Lee, et al. Site-Specific Labeling of Proteins Using Unnatural Amino Acids. Mol Cells. 2019 May 31;42(5):386-396.

[2]. Enke HEIKE, et al. Modified microcystins and nodularins. WO2018206715A2

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

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