
Product Data Sheet

Product Name: Homopropargylglycine

Cat. No.: GC67709

Chemical Properties

Cas. No. 215160-72-8

Formula C₆H₉NO₂

M.Wt 127.14

Solubility H₂O : 250 mg/mL (1966.34 mM; Need ultrasonic) 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

Homopropargylglycine is a Methionine analogue. Homopropargylglycine is incorporated at a suitable rate into newly synthesized proteins in a variety of systems, including mammalian cell culture. Homopropargylglycine can be used to identify old and new protein populations^[1].

Homopropargylglycine enables Bio-Orthogonal Non-Canonical Amino acid Tagging (BONCAT) of a small sample of the proteins being synthesized in Arabidopsis plants or cell cultures, facilitating their click-chemistry enrichment for analysis^[1].

[1]. Tivendale ND, Millar AH, et al. In vivo homopropargylglycine incorporation enables sampling, isolation and characterization of nascent proteins from Arabidopsis thaliana. Plant J. 2021 Aug;107(4):1260-1276.

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

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