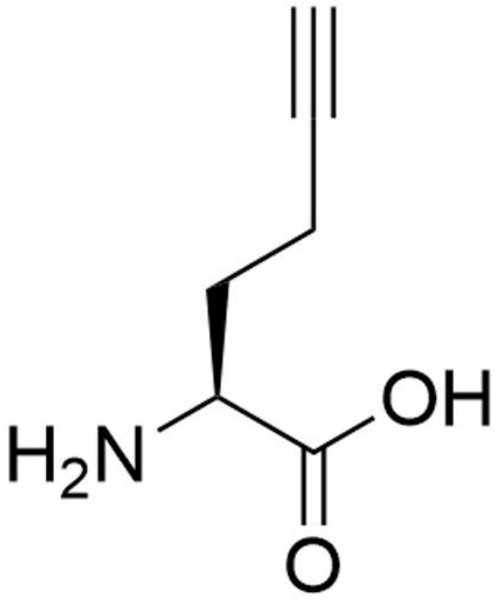
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L-HOMOPROPARGYLGLYCINE (HPG)

SKU: CCT-1067



DESCRIPTION

L-Homopropargylglycine (HPG) is an amino acid analog of methionine that contains a very small modification, specifically an alkyne moiety that can be fed to cultured cells and incorporated into proteins during active protein synthesis. Detection utilizes the chemoselective ligation or “click ” reaction between an azide and an alkyne or cyclooctyne. The alkyne-modified protein is detected with either fluorescent azide or biotin azide. Detection sensitivity with these reagents in 1-D gels and Western blots is in the low femtomole range and compatible with downstream LC-MS/MS and MALDI MS analysis.

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SPECIFICATIONS

CAS Number	942518-19-6
Molecular Weight	163.6
Molecular Formula	C6H10ClNO2
Appearance	White crystalline
Chemical Formula	C6H10ClNO2
Purity	>95% (H NMR)
Unit Size	25 mg, 100 mg, 1000 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

SELECTED REFERENCES

1. Couradeau, E., *et al.* (2019). Probing the active fraction of soil microbiomes using BONCAT-FACS *Nat Commun,* **10**, 2770-80. [PubMed]

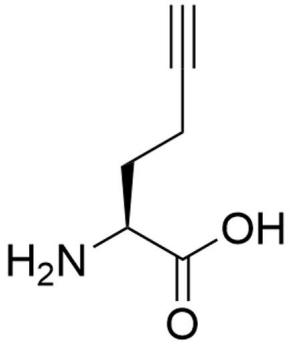
DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES

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