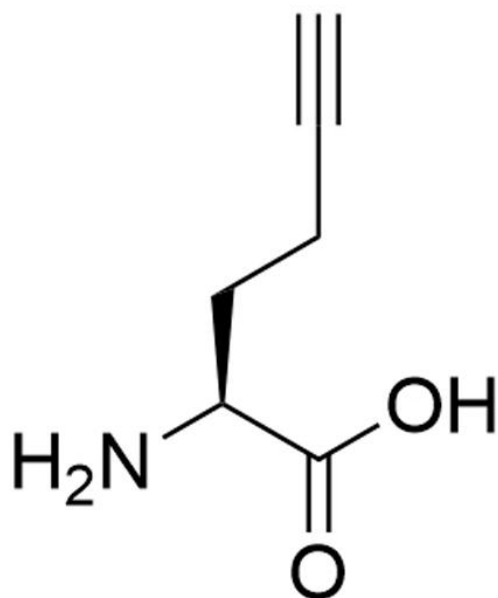


## L-HOMOPROPARGYLGLYCINE (HPG)

**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-MSMS and MALDI MS analysis.

### Specifications

<b>Unit Size</b>	25 mg, 100 mg, 1000 mg
<b>Molecular weight</b>	163.60 (HCl salt)
<b>Chemical composition</b>	C <sub>6</sub> H <sub>10</sub> ClNO <sub>2</sub>
<b>CAS</b>	942518-19-6

**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**

<b>Solubility</b>	Water, DMSO, DMF
<b>Purity</b>	>95% (H NMR)
<b>Appearance</b>	White crystalline
<b>Storage Conditions</b>	-20°C.
<b>Shipping Conditions</b>	Ambient temperature

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