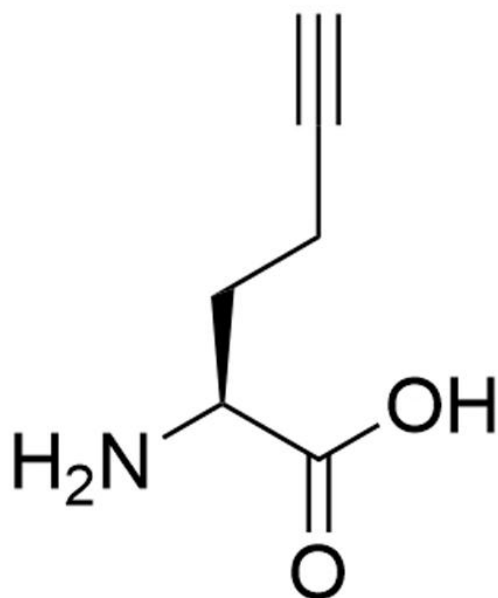


L-HOMOPROPARGYLGLYCINE (HPG)

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

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

For research use only. Not intended for animal or human therapeutic or diagnostic use.

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

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