

Product Name	: 4-Azido-L-phenylalanine hydrochloride
Synonyms	: p-Azidophenylalanine hydrochloride, p-Azido-L-phenylalanine hydrochloride
Cat No.	: M22484
CAS Number	: 34670-43-4
Molecular Formula	: C ₉ H ₁₁ ClN ₄ O ₂
Formula Weight	: 242.66
Chemical Name	: —
Description	: 4-Azido-L-phenylalanine hydrochloride is an unnatural amino acid. It is used as an effective vibrational reporter of local protein environments. In cell-free protein synthesis (CFPS) method, 0.9-1.7 mg/mL of modified soluble super-folder green fluorescent protein (sfGFP) containing either 4-Azido-L-phenylalanine or p-propargyloxy-L-phenylalanine (pPaF) accumulate in the CFPS solutions.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO: 103.3 mg/mL (425.70 mM); H ₂ O: 4.55 mg/mL (18.75 mM; Need ultrasonic)
SMILES	: Cl.N[C@@H](Cc1ccc(cc1)N=[N+]=[N-])C(O)=O
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Albayrak C, et al. Cell-free co-production of an orthogonal transfer RNA activates efficient site-specific non-natural amino acid incorporation. Nucleic Acids Res. 2013 Jun;41(11):5949-63.