
Product Name	: 4-Azido-L-phenylalanine
Synonyms	: —
Cat No.	: M33249
CAS Number	: 33173-53-4
Molecular Formula	: C ₉ H ₁₀ N ₄ O ₂
Formula Weight	: 206.2
Chemical Name	: —
Description	: 4-Azido-L-phenylalanine is an unnatural amino acid, which is used as an effective vibrational reporter of local protein environments. 4-Azido-L-phenylalanine is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: In Vitro: ?H ₂ O : 25 mg/mL (121.24 mM; ultrasonic and adjust pH to 11 with NaOH) DMSO : 5 mg/mL (24.25 mM; ultrasonic and warming and adjust pH to 3 with HCl and heat to 80°C)
SMILES	: <chem>N[C@@H](CC1=CC=C(C=C1)N=[N+]=[N-])C(O)=O</chem>
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.?