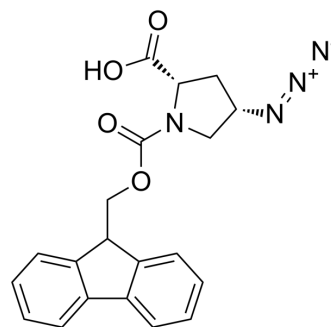


cis-Fmoc-Pro(4-N3)-OH

Cat. No.:	HY-W142062		
CAS No.:	263847-08-1		
Molecular Formula:	C ₂₀ H ₁₈ N ₄ O ₄		
Molecular Weight:	378.38		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (330.36 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6428 mL	13.2142 mL	26.4285 mL
	5 mM	0.5286 mL	2.6428 mL	5.2857 mL
	10 mM	0.2643 mL	1.3214 mL	2.6428 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

cis-Fmoc-Pro(4-N3)-OH is a proline derivative^[1]. cis-Fmoc-Pro(4-N3)-OH 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.

In Vitro

Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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