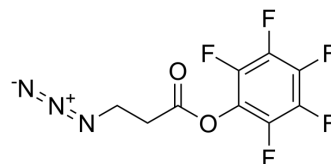


3-Azidopropanoic acid-PFP ester

Cat. No.:	HY-151647
CAS No.:	1240801-10-8
Molecular Formula:	C ₉ H ₄ F ₅ N ₃ O ₂
Molecular Weight:	281.14
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3-Azidopropanoic acid-PFP ester is an azidopropanoic acid linker that contains an activated PFP ester. The azide group can undergo copper-catalyzed Click Chemistry reactions with alkynes, DBCO and BCN to form triazole linkages. The activated PFP ester can react with amine groups to form stable amide bonds^[1]. 3-Azidopropanoic acid-PFP ester 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.

REFERENCES

[1]. Fiehn T, et al. A cyclopeptide-derived molecular cage for sulfate ions that closes with a click. *Chemistry*. 2010 Jun 25;16(24):7241-55.

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

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