# Biotin-C1-PEG3-C3-amido-C5-Gly-Arg-Gly-N3 TFA

**Cat. No.:** HY-131455A

**Molecular Formula:** $C_{38}H_{66}F_3N_{13}O_{11}S$

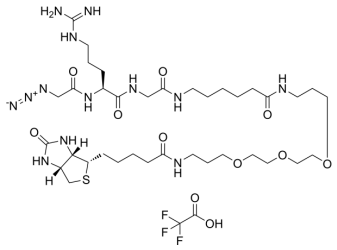
**Molecular Weight:** 970.07

**Target:** Biochemical Assay Reagents

**Pathway:** Others

**Storage:** -20°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 100 mg/mL (103.09 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 1.0309 mL | 5.1543 mL | 10.3085 mL |
| | 5 mM | 0.2062 mL | 1.0309 mL | 2.0617 mL |
| | 10 mM | 0.1031 mL | 0.5154 mL | 1.0309 mL |

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

## BIOLOGICAL ACTIVITY

**Description**

Biotin-C1-PEG3-C3-amido-C5-Gly-Arg-Gly-N3 TFA is used for detection of modification site for N-myristoylated and GPI-anchored proteins in blood-stage P. falciparum[1]. Biotin-C1-PEG3-C3-amido-C5-Gly-Arg-Gly-N3 (TFA) 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]. Malgorzata Broncel, et al. Multifunctional reagents for quantitative proteome-wide analysis of protein modification in human cells and dynamic profiling of protein lipidation during vertebrate development. Angew Chem Int Ed Engl. 2015 May 11;54(20):5948-51.

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

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