# BDP FL azide

**Cat. No.:** HY-114353

**CAS No.:** 1379771-95-5

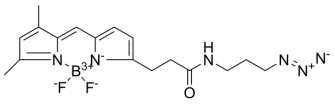
**Molecular Formula:** $C_{17}H_{21}BF_2N_6O$

**Molecular Weight:** 374.2

**Target:** Fluorescent Dye

**Pathway:** Others

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



## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 50 mg/mL (133.62 mM; Need ultrasonic)

| Preparing Stock Solutions | Mass / Solvent / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 2.6724 mL | 13.3618 mL | 26.7237 mL |
| | 5 mM | 0.5345 mL | 2.6724 mL | 5.3447 mL |
| | 10 mM | 0.2672 mL | 1.3362 mL | 2.6724 mL |

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

## BIOLOGICAL ACTIVITY

**Description**

BDP FL azide is a BDP dye connector containing an azide group capable of Click Chemistry. The green fluorophore is representative of the borodipyrromethane class of fluorescent dyes and has a high quantum yield in aqueous environments, high stability to photobleaching and is compatible with FAM fluorescence measurement instruments[1].

## REFERENCES

[1]. Maksymilian Marek Zegota, et al. "Tag and Modify" Protein Conjugation with Dynamic Covalent Chemistry. Bioconjug Chem. 2018 Aug 15;29(8):2665-2670.



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