# DBCO-Val-Cit-PABC-PNP

**Cat. No.:** HY-130937

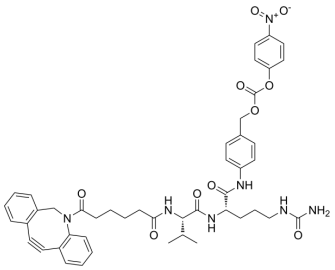
**Molecular Formula:** $C_{46}H_{49}N_7O_{10}$

**Molecular Weight:** 859.92

**Target:** ADC Linker

**Pathway:** Antibody-drug Conjugate/ADC Related

**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 (116.29 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 1.1629 mL | 5.8145 mL | 11.6290 mL |
| | 5 mM | 0.2326 mL | 1.1629 mL | 2.3258 mL |
| | 10 mM | 0.1163 mL | 0.5814 mL | 1.1629 mL |

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

## BIOLOGICAL ACTIVITY

**Description**

DBCO-Val-Cit-PABC-PNP is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. DBCO-Val-Cit-PABC-PNP is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.

**$IC_{50}$ & Target**

Protease Cleavable Linker | Cleavable Linker

**In Vitro**

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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

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