Fmoc-3VVD-OH

Cat. No.: HY-78921

CAS No.: 863971-44-2

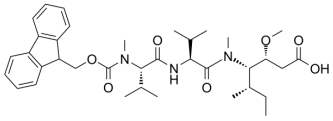
Molecular Formula: $C_{36}H_{51}N_3O_7$

Molecular Weight: 637.81

Target: ADC Linkers

Pathway: Antibody-drug Conjugate/ADC Related

Storage: 4°C, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 37 mg/mL (58.01 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration / Solvent / Mass	1 mg	5 mg	10 mg
1 mM	1.5679 mL	7.8393 mL	15.6787 mL
5 mM	0.3136 mL	1.5679 mL	3.1357 mL
10 mM	0.1568 mL	0.7839 mL	1.5679 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 5 mg/mL (7.84 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fmoc-3VVD-OH is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1].

IC_{50} & Target

Cleavable

In Vitro

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

REFERENCES

[1]. Michinori Akaiwa, et al. Synthesis and Evaluation of Linear and Macrocyclic Dolastatin 10 Analogues Containing Pyrrolidine Ring Modifications. ACS Omega. 2018 May 31;3(5):5212-5221.

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

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