Fmoc-MMAE

Cat. No.: HY-78933

CAS No.: 474645-26-6

Molecular Formula: $C_{54}H_{77}N_5O_9$

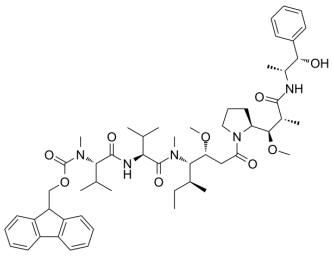
Molecular Weight: 940.22

Target: Microtubule/Tubulin; ADC Cytotoxin

Pathway: Cell Cycle/DNA Damage; Cytoskeleton; Antibody-drug Conjugate/ADC Related

Storage: 4°C, stored under nitrogen

* The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 45 mg/mL (47.86 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.0636 mL	5.3179 mL	10.6358 mL
5 mM	0.2127 mL	1.0636 mL	2.1272 mL
10 mM	0.1064 mL	0.5318 mL	1.0636 mL

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

BIOLOGICAL ACTIVITY

Description

Fmoc-MMAE is a protective group-conjugated monomethyl auristatin E (MMAE), which is a potent tubulin inhibitor. Fmoc-MMAE can be used in the synthesis of ADC[1].

IC_{50} & Target

Auristatin

REFERENCES

[1]. Pan D, et al. An antibody-drug conjugate targeting a GSTA glycosite-signature epitope of MUC1 expressed by non-small cell lung cancer. Cancer Med. 2020;9(24):9529-9540.

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

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