Mal-VC-PAB-DM1

Cat. No.: HY-126682

CAS No.: 1464051-44-2

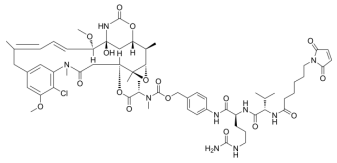
Molecular Formula: $C_{61}H_{82}ClN_9O_{17}$

Molecular Weight: 1248.81

Target: Drug-Linker Conjugates for ADC

Pathway: Antibody-drug Conjugate/ADC Related

Storage: 4°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 : 75 mg/mL (60.06 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	0.8008 mL	4.0038 mL	8.0076 mL
	5 mM	0.1602 mL	0.8008 mL	1.6015 mL
	10 mM	0.0801 mL	0.4004 mL	0.8008 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: 3.75 mg/mL (3.00 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 3.75 mg/mL (3.00 mM); Suspended solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 3.75 mg/mL (3.00 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Mal-VC-PAB-DM1 is a agent-linker conjugate for ADC with potent antitumor activity by using DM1 (a potent microtubule-disrupting agent), linked via the ADC linker Mal-VC-PAB [1].

IC_{50} & Target

Maytansinoids

REFERENCES

[1]. Brian Lannutti, et al. Ror1 antibody immunoconjugates. WO2018237335A1.

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