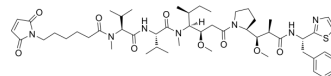


Mc-MMAD

Cat. No.:	HY-15740
CAS No.:	1401963-15-2
Molecular Formula:	C ₅₁ H ₇₇ N ₇ O ₉ S
Molecular Weight:	964.26
Target:	Microtubule/Tubulin; Drug-Linker Conjugates for ADC
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Antibody-drug Conjugate/ADC Related
Storage:	Powder -20°C 3 years 4°C 2 years



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

SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (103.71 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.0371 mL	5.1853 mL	10.3706 mL
	5 mM	0.2074 mL	1.0371 mL	2.0741 mL
	10 mM	0.1037 mL	0.5185 mL	1.0371 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (2.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (2.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Mc-MMAD is a protective group (maleimidocaproyl)-conjugated MMAD. MMAD is a potent tubulin inhibitor. Mc-MMAD is a agent-linker conjugate for ADC.

IC₅₀ & Target

Auristatin

REFERENCES

[1]. Antibody-drug conjugates Patent: WO 2013068874 A1

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

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