

Mc-MMAD

Catalog No: tcsc1615



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

1401963-15-2

Formula:

$C_{51}H_{77}N_7O_9S$

Pathway:

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

Target:

Microtubule/Tubulin;Microtubule/Tubulin;Drug-Linker Conjugates for ADC

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

964.26

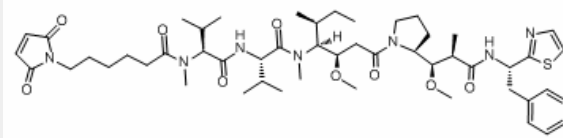
Product Description

Monomethyl auristatin D (MMAD), a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate; Mc-MMAD is a protective group (maleimidocaproyl) -conjugated MMAD.

IC50 Value:

Target: tubulin; ADCs

For comparison purposes, the ADC A1 -mc-MMAD and/or A1 -vc-MMAD were used. The linker payload, mc-MMAD (6-maleimidocaproyl-monomethylauristatin-D) was conjugated to the A1 anti-5T4 monoclonal antibody through a cysteine residue at a ratio of approximately 4 drug moieties per antibody molecule. The linker payload mc- Val-Cit-PABA-MMAD or vc-MMAD (maleimidocapronic -valine-citruline-p- aminobenzyloxycarbonyl- monomethylauristatin-D) was conjugated to the A1 anti-5T4 monoclonal antibody through a cysteine residue at a ratio of approximately 4 drug moieties per antibody molecule (Antibody-drug conjugates Patent: WO 2013068874 A1).



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