

MMAD (hydrochloride)

Catalog No: tcsc3408



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

173441-26-4

Formula:

$C_{41}H_{67}ClN_6O_6S$

Pathway:

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

Target:

Microtubule/Tubulin;Microtubule/Tubulin;ADC Cytotoxin

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Demethyldolastatin 10 hydrochloride;Monomethylauristatin D hydrochloride;Monomethyl Dolastatin 10 hydrochloride

Observed Molecular Weight:

807.53

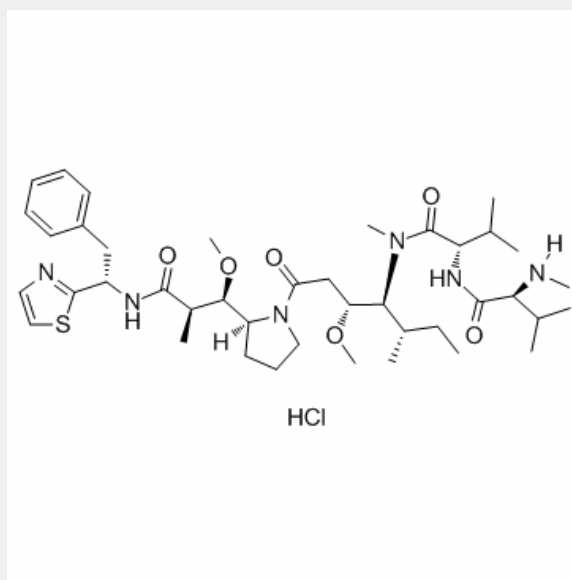
Product Description

Monomethyl auristatin D Hcl (MMAD Hcl), a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate.

IC50 value:

Target: Tubulin; ADCs toxin

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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