

Dolastatin 10

Catalog No: tcsc1825



Available Sizes

Size: 1mg

Size: 5mg



Specifications

CAS No:

110417-88-4

Formula:

$C_{42}H_{68}N_6O_6S$

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:

DLS 10;NSC 376128

Observed Molecular Weight:

785.09

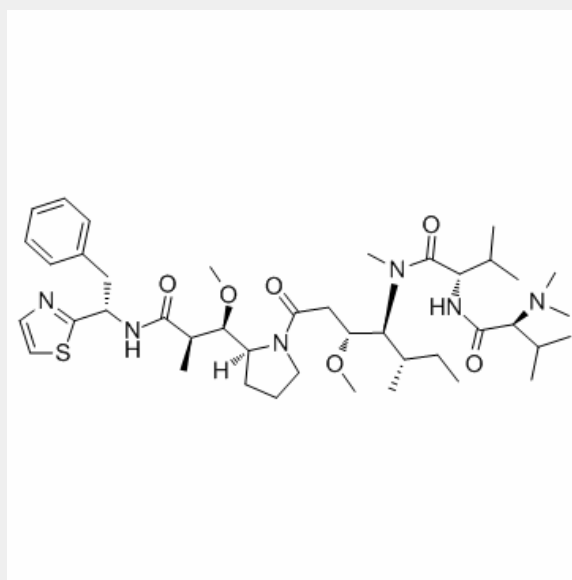
Product Description

Dolastatin 10 is a potent antimitotic peptide, isolated from the marine mollusk *Dolabella auricularia*, that inhibits **tubulin**

polymerization.

IC50 & Target: Tubulin^[1]

In Vitro: Dolastatin 10 is a unique pentapeptide that isolated from the sea hare *Dolabella auricularia*. These in vitro data are quite comparable to those of Dolastatin 10 and Auristatin PE, each of which has GI₅₀ values of 10⁻⁵-10⁻⁶ µg/mL (10⁻²-10⁻³ nM) against a similar minipanel of human cell lines^[2]. The antibody-drug conjugate (ADC) comprises the anti-CD30 monoclonal antibody cAC10 conjugated to the cytotoxic agent monomethyl auristatin E (MMAE), a synthetic analog of the tubulin polymerization inhibitor Dolastatin 10^[3].



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