

Tubulysin A

Catalog No: tcsc2994



Available Sizes

Size: 1mg



Specifications

CAS No:

205304-86-5

Formula:

$C_{43}H_{65}N_5O_{10}S$

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:

TubA

Observed Molecular Weight:

844.07

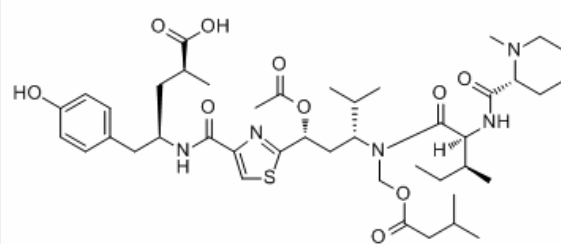
Product Description

Tubulysin A(TubA) is a myxobacterial product that can function as an antiangiogenic agent in many in vitro assays; anti-microtubule, anti-mitotic, an apoptosis inducer, anticancer, anti-angiogenic, and antiproliferative.

IC50 value:

Target: microtubule

Tubulysin A is a novel antibiotic, which is anti-microtubule, anti-mitotic, apoptosis inducer, anticancer, anti-angiogenic, and antiproliferative. Tubulysins are cytotoxic peptides, which include 9 members (A-I). Tubulysin A has potential application as an anticancer agent. It arrests cells in the G2/M phase. Tubulysin A inhibits polymerization more efficiently than vinblastine and induces depolymerization of isolated microtubules. Tubulysin A has potent cytostatic effects on various tumor cell lines with IC₅₀ in the picomolar range.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!