

Catalog Number: CM02507

产品信息

Catalog Number:
CM02507

CAS号:
863971-19-1

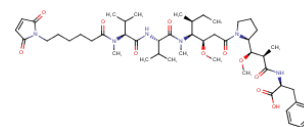
分子式:
 $C_{49}H_{76}N_6O_{11}$

主要靶点:
Microtubule Associated

主要通路:
细胞骨架

分子量:
925.16

溶解度:
DMSO:100 mg/mL (108.09 mM)



体外活性

MMAF induces potent antitumor effects when conjugated via protease cleavable linkers to a monoclonal antibody targeting internalizing, tumor-specific cell surface antigens. MMAF is a new auristatin derivative with a charged C-terminal phenylalanine that attenuates its cytotoxic activity compared to its uncharged counterpart, Monomethyl auristatin E (MMAE). It cannot be used as a drug itself because MMAF is highly toxic. The linker to the monoclonal antibody is stable in extracellular fluid but is cleaved by cathepsin once the conjugate has entered a tumor cell, thus activating the anti-mitotic mechanism.

描述

McMMAF is a protective group-conjugated MMAF. MMAF is a potent tubulin polymerization inhibitor. It is a MMAF derivative having a Maleimidocaproyl linker (MC linker), which is ready to conjugate to antibody or other proteins or biopolymers. Mafodotin is a useful agent for make antibody drug conjugate (ADC) for targeted drug delivery.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years