

Monomethyl auristatin E

货号: M3588

储存条件: 粉末-20°C可保存3年; 液体-80°C可保存12月。

产品描述

MMAE is a potent synthetic antimetabolic agent working as microtubule inhibitor. It is usually linked to specific monoclonal antibodies like the chimeric mAbs cBR96 (specific to Lewis Y on carcinomas) and cAC10 (specific to CD30 on hematological malignancies), used as a payload of ADCs. MMAE exhibited potency against cell growth with GI50 values of 0.22 nM, 0.49 nM and 0.54 nM for BT474, MDA-MB-361-DYT2 and N87 cells, respectively. Through combination with specific monoclonal antibody through specific linker, like antibody-drug conjugate cAC10-vcMMAE, the cytotoxicity and selectivity of MMAE was significantly enhanced. Intravenous injection with cAC10-vcMMAE at dose of 1mg/kg induced complete, durable tumor regression in the Karpas 299 ALCL model.

作用机制

MMAE binds to tubulin and interferes with microtubule formation.

产品信息

CAS号	474645-27-7	
分子式	C ₃₉ H ₆₇ N ₅ O ₇	
分子量	717.98	
别名	Monomethyl Auristatin E	
溶解度	DMSO	350.0 mg/mL (487.5 mM)
	Water	insoluble

