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产品名称: 单甲基澳瑞他汀 D

产品别名: MMAD; Demethyldolastatin 10; Monomethylauristatin D;
Monomethyl Dolastatin 10

生物活性:				
Description	MMAD is a potent tubulin inhibitor, is a toxin payload in antibody drug conjugates (ADCs).			
IC ₅₀ & Target	Auristatin			
In Vitro	MMAD (Monomethyl Dolastatin 10) is coupled through a stable oxime-ligation process to yield several near-homogenous antibody-drug conjugates (ADCs) with a drug-to-antibody ratio of ~2.0. The resulting conjugates demonstrate good pharmacokinetic properties, potent in vitro cytotoxic activity against HER2+ cancer cells. When compared with ADCs prepared by cysteine alkylation following native interchain disulfide reduction, site-specific unnatural-amino-acid-based ADCs are shown to have increased in vitro cytotoxicity[1].			
In Vivo	The resulting antibody-drug conjugates (ADCs) demonstrate complete tumour regression in rodents. They also have an improved toxicology profile in rats[1].			
Solvent&Solubility	In Vitro: DMSO : 24.5 mg/mL (31.77 mM; Need ultrasonic and warming)			
		<div>SolventMassConcentration</div>	1 mg	5 mg
	Preparing	1 mM	1.2969 mL	6.4846 mL
	Stock Solutions	5 mM	0.2594 mL	1.2969 mL
		10 mM	0.1297 mL	0.6485 mL
*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液, 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80° C, 6 months; -20° C, 1 month (stored under nitrogen)。 -80° C 储存时, 请在 6 个月内使用, -20° C 储存时, 请在 1 个月内使用。				
References	[1]. Chudasama V, et al. Recent advances in the construction of antibody-drug conjugates. Nat Chem. 2016 Feb;8(2):114-9.			