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产品名称: **DOLASTATIN 10**
产品别名: 尾海兔素 10 ; **DLS 10**

生物活性:	
Description	Dolastatin 10 (DLS 10) is a potent antimitotic peptide, isolated from the marine mollusk Dolabella auricularia, that inhibits tubulin polymerization.
IC₅₀ & Target	Auristatin
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} μ g/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].
References	[1]. Pitot HC, et al. Phase I trial of dolastatin-10 (NSC 376128) in patients with advanced solid tumors. Clin Cancer Res. 1999 Mar;5(3):525-31. [2]. Pettit GR, et al. Antineoplastic agents. 592. Highly effective cancer cell growth inhibitory structural modifications of dolastatin 10. J Nat Prod. 2011 May 27;74(5):962-8. [3]. Brentuximab vedotin. Drugs R D. 2011;11(1):85-95.

源叶生物