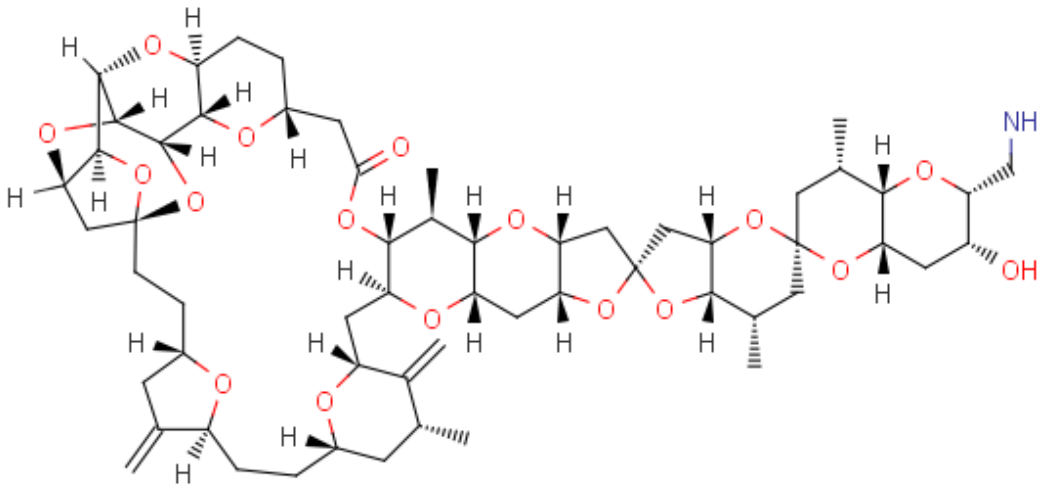
Name: E7130 Cat#: EX-A7119

Chemical Structure:



Chemical Name	

Molecular Weight	1066.2761	Storage	2 years -20°C powder 6 months -80°C in solvent Away from light
Formula	C58H83NO17		
CAS No.	2220148-40-1	Synonyms	E-7130; E 7130

Solubility (25°C) *	In vitro	DMSO	Soluble
		Ethanol	N/A
		Water	N/A
	In vivo (should be freshly prepared each time)		

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight

batch-to-batch variations.

Preparing Stock Solutions:

Mass / Volume / Concentration	1 mg	5 mg	10 mg
1 mM	0.9378 mL	4.6892 mL	9.3784 mL
5 mM	0.1876 mL	0.9378 mL	1.8757 mL
10 mM	0.0938 mL	0.4689 mL	0.9378 mL

*The above data is based on the product molecular weight 1066.2761.

Biological Activities:

Description	E7130 is a novel microtubule inhibitor and a promising tumor microenvironment ameliorator. E7130 not only is a novel microtubule dynamics inhibitor but can also increase intratumoural CD31-positive endothelial cells and reduce alpha-SMA-positive cancer-associated fibroblasts at pharmacologically relevant compound concentrations.
IC_{50} & Target	
In Vitro	
In Vivo	

References	[1]. Kawano, Satoshi et al. “A landmark in drug discovery based on complex natural product synthesis.” Scientific reports vol. 9,1 8656. 17 Jun. 2019. [2]. Ryu, Shoraku et al. “Development of an analytical method to determine E7130 concentration in mouse plasma by micro-sampling using ultra-performance liquid chromatography-high resolution mass spectrometry.” Journal of chromatography. B, Analytical technologies in the biomedical and life sciences vol. 1207 (2022): 123366.