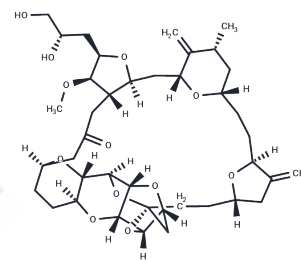


ER-076349

## Chemical Properties

CAS No. : 253128-15-3  
 Formula: C<sub>40</sub>H<sub>58</sub>O<sub>12</sub>  
 Molecular Weight: 730.88  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ER-076349 is a microtubule polymerization inhibitor that induces G2-M cell cycle arrest and disrupts mitotic spindles. This compound inhibits the growth of cancer cells and suppresses tumor growth in various human tumor xenograft mouse models. Additionally, ER-076349 is an analog of Halichondrin B.
Targets(IC50)	Microtubule Associated
In vitro	ER-076349 inhibits the proliferation of various cancer cells, with IC 50 values recorded as follows: 0.59 nM (MDA-MB-435), 2.4 nM (COLO 205), 7.3 nM (DLD-1), 3.6 nM (DU 145), 1.8 nM (LNCaP), 3.2 nM (LOX), 2.6 nM (HL-60), and 4.0 nM (U937).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3682 mL	6.8411 mL	13.6821 mL
5 mM	0.2736 mL	1.3682 mL	2.7364 mL
10 mM	0.1368 mL	0.6841 mL	1.3682 mL
50 mM	0.0274 mL	0.1368 mL	0.2736 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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