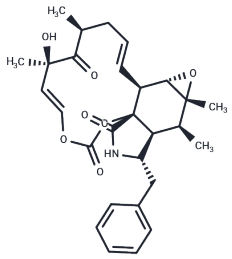
Data Sheet (Cat.No.T15039)

TargetMol

Cytochalasin E

Chemical Properties



CAS No. : 36011-19-5

Formula: C28H33NO7

Molecular Weight: 495.56

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	Cytochalasin E is a potent actin depolymerization agent and an epoxide containing Aspergillus-derived fungal metabolite. Cytochalasin E also inhibits angiogenesis and tumor growth. It binds and caps the barbed end of actin filaments to prevent actin elongation.
Targets(IC50)	Others,Autophagy
In vitro	Cytochalasin E significantly inhibits A549 cell growth in a dose-dependent manner and induces upregulation of autophagy-related protein (LC3-II) and SQSTM1/p62 [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0179 mL	10.0896 mL	20.1792 mL
5 mM	0.4036 mL	2.0179 mL	4.0358 mL
10 mM	0.2018 mL	1.009 mL	2.0179 mL
50 mM	0.0404 mL	0.2018 mL	0.4036 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.

Reference

Udagawa T, et al. Cytochalasin E, an epoxide containing Aspergillus-derived fungal metabolite, inhibits angiogenesisand tumor growth. J Pharmacol Exp Ther. 2000 Aug;294(2):421-7.

Lu QY, et al. Green tea extract modulates actin remodeling via Rho activity in an in vitro multistep carcinogenicmodel. Clin Cancer Res. 2005 Feb 15;11(4):1675-83.

Takanezawa Y, et al. Variation in the activity of distinct cytochalasins as autophagy inhibitiors in human lung A549 cells. Biochem Biophys Res Commun. 2017 Dec 16;494(3-4):641-647.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481