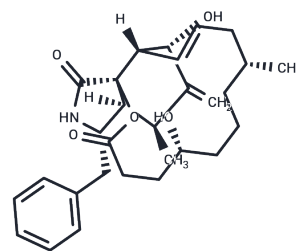


Dihydrocytochalasin B

Chemical Properties

CAS No. :	39156-67-7
Formula:	C ₂₉ H ₃₉ NO ₅
Molecular Weight:	481.62
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dihydrocytochalasin B (H2CB) is a cell division inhibitor that changes the morphology of cells, similar to cytochalasin B. Does not inhibit glucose transport. Dihydrocytochalasin B (H2CB) disrupts the structure of actin and inhibits the ability of growth factors to stimulate DNA synthesis, reversibly preventing the initiation of DNA synthesis. Dihydrorelaxin B (H2CB) inhibits active calcium transport and causes an increase in calcium ions in mucosal scrape.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0763 mL	10.3816 mL	20.7633 mL
5 mM	0.4153 mL	2.0763 mL	4.1527 mL
10 mM	0.2076 mL	1.0382 mL	2.0763 mL
50 mM	0.0415 mL	0.2076 mL	0.4153 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.

Reference

- Atlas SJ, et al. Dihydrocytochalasin B. Biological effects and binding to 3T3 cells. J Cell Biol. 1978 Feb;76(2):360-70.
Jande SS, et al. Effects of cytochalasin B and dihydrocytochalasin B on calcium transport by intestinal absorptive

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