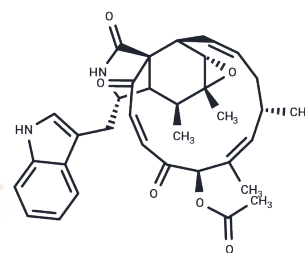


19-O-Acetylchaetoglobosin A

Chemical Properties

CAS No. :	50939-69-0
Formula:	C ₃₄ H ₃₈ N ₂ O ₆
Molecular Weight:	570.686
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	19-O-Acetylchaetoglobosin A is a fungal metabolite originally isolated from <i>C. globosum</i> that has actin polymerization inhibitory and cytotoxic activities. ^{1,2} It inhibits actin polymerization in a cell-free assay when used at a concentration of 2 μM. 19-O-Acetylchaetoglobosin A (3.2, 10, and 32 μg/ml) is cytotoxic to HeLa cervical cancer cells. ¹
Targets(IC50)	Others, Arp2/3 Complex

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7523 mL	8.7613 mL	17.5226 mL
5 mM	0.3505 mL	1.7523 mL	3.5045 mL
10 mM	0.1752 mL	0.8761 mL	1.7523 mL
50 mM	0.035 mL	0.1752 mL	0.3505 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

Umeda, M., Ohtsubo, K., Saito, M., et al. Cytotoxicity of new cytochalasins from *Chaetomium globosum* *Experientia* 31(4)435-438(1975)

Sekita, S., Yoshihira, K., Natori, S., et al. Structure-activity relationship of thirty-nine cytochalasins observed in the effects on cellular structures and cellular events and on actin polymerization in vitro. *J. Pharmacobiodyn.* 8(11)906-916(1985)

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