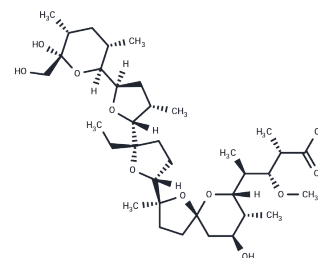


Monensin

Chemical Properties

CAS No. :	17090-79-8
Formula:	C ₃₆ H ₆₂ O ₁₁
Molecular Weight:	670.87
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Monensin is an antiprotozoal agent produced by <i>Streptomyces cinnamomensis</i> . It has an inhibitory effect on the Wnt/ β -catenin signaling cascade. Monensin is a prospective anticancer drug for the therapy of neoplasia with deregulated Wnt signaling.
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Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4906 mL	7.453 mL	14.906 mL
5 mM	0.2981 mL	1.4906 mL	2.9812 mL
10 mM	0.1491 mL	0.7453 mL	1.4906 mL
50 mM	0.0298 mL	0.1491 mL	0.2981 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

Abrar A, Tsukahara T, Kondo M, Ban-Tokuda T, Chao W, Matsui H. Effect of monensin withdrawal on rumen fermentation, methanogenesis and microbial populations in cattle. *Anim Sci J*. 2015 Sep;86(9):849-54. doi:

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