

Narasin

Chemical Properties

CAS No. : 55134-13-9

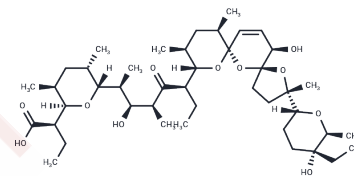
Formula: C43H72O11

Molecular Weight: 765.03

Keep away from direct sunlight

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	Narasin is a polyether ionophore antibiotic with established antimicrobial activity and reported potential antiviral and anticancer effects in experimental studies. Narasin has been shown to inhibit NF-κB signaling and induce apoptosis in tumor cells, and may suppress tumor metastasis and the growth of ERα-positive breast cancer cells by modulating TGF-β/SMAD3 and IL-6/STAT3 signaling pathways
Targets(IC50)	Apoptosis,NF-κB,Antibacterial,Antibiotic,Parasite

Solubility Information

Solubility	DMSO: 12.5 mg/mL (16.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3071 mL	6.5357 mL	13.0714 mL
5 mM	0.2614 mL	1.3071 mL	2.6143 mL
10 mM	0.1307 mL	0.6536 mL	1.3071 mL
50 mM	0.0261 mL	0.1307 mL	0.2614 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

Bouguerra G, et al. Stimulation of Eryptosis by Narasin. *Cell Physiol Biochem*. 2015;37(5):1807-16. doi: 10.1159/000438543. Epub 2015 Nov 13. PubMed PMID: 26584281.

Arkfeld EK, et al. Effects of narasin (Skycis) on live performance and carcass traits of finishing pigs sold in a three-phase marketing system. *J Anim Sci*. 2015 Oct;93(10):5028-35. doi: 10.2527/jas.2015-9314. PubMed PMID: 26523595.

Nilsson O, Myrenås M, Ågren J. Transferable genes putatively conferring elevated minimum inhibitory concentrations of narasin in *Enterococcus faecium* from Swedish broilers. *Vet Microbiol*. 2016 Feb 29;184:80-3. doi: 10.1016/j.vetmic.2016.01.012. Epub 2016 Jan 18. PubMed PMID: 26854348.

Low JS, Wu KX, Chen KC, Ng MM, Chu JJ. Narasin, a novel antiviral compound that blocks dengue virus protein expression. *Antivir Ther*. 2011;16(8):1203-18. doi: 10.3851/IMP1884. PubMed PMID: 22155902.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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