

Data Sheet (Cat.No.T19740)

Narasin

Chemical Properties

CAS No.:	55134-13-9
Formula:	C43H72O11
Molecular Weight:	765.04
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Narasin is a novel agent that inhibits dengue virus replication in vitro through non-cytotoxic mechanisms. It is used for the treatment of coccidiosis from a class of protozoa. It has been shown to foster the apoptosis of tumor cells.
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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	1.307 mL	6.536 mL	13.071 mL
5 mM	0.261 mL	1.307 mL	2.614 mL
10 mM	0.131 mL	0.654 mL	1.307 mL
50 mM	0.026 mL	0.131 mL	0.261 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Bouguerra G, Bissinger R, Abbès S, Lang F. 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, Carr SN, Rincker PJ, Gruber SL, Allee GL, Dilger AC, Boler DD. 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.

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