

# Product Information

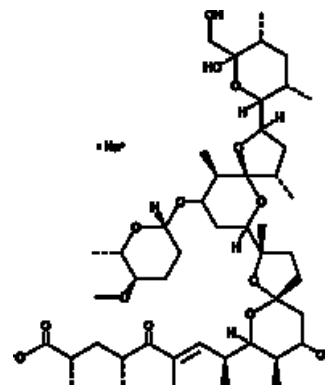


## Nanchangmycin

Cat No: 21679 - 1 mg

### General Data

Shipping:	dry ice
Formulation:	A crystalline solid
Purity:	≥95%



### Product Overview

Nanchangmycin is a polyether ionophore antibiotic produced by *S. nanchangensis* NS3226 that has insecticidal and in vitro antibacterial properties.<sup>{34684},{34685}</sup> Nanchangmycin exhibits antiviral properties against Zika virus (ZIKV) by blocking viral entry in vitro in a spectrum of cell types, including U2OS, human microvascular endothelial cells, and placental Jeg3 cells (IC<sub>50</sub>s = 100, 400, and 970 nM, respectively).<sup>{34686}</sup> Nanchangmycin also blocks ZIKV entry into primary cells, including extravillous trophoblasts, human primary uterine microvascular endothelial cells, human umbilical vein endothelial cells, and murine primary midbrain neuron-glia cultures.<sup>{34686}</sup> Efficacy of nanchangmycin extends to other viruses where it blocks entry into U2OS cells by West Nile, dengue, Sindbis, and chikungunya viruses.<sup>{34686}</sup>

FP/19/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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