

Product Information

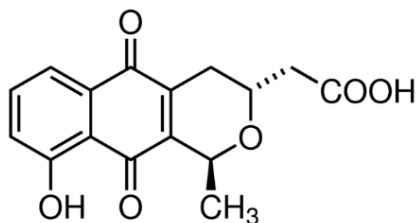
Nanaomycin A

Catalog Number **N2410**
Storage Temperature -20°C

CAS RN 52934-83-5

Product Description

Molecular Formula: $\text{C}_{16}\text{H}_{14}\text{O}_6$
Molecular Weight: 302.28



Nanaomycin A is involved in heme dependent radical generation. It inhibits *in vitro* growth of the malaria parasite *Plasmodium falciparum* with more potency than Radicicol and less than Artemisin. Nanaomycin A interferes with the membrane or it inhibits coupling of oxidative phosphorylation. This is followed by a secondary inhibitory effect on proteins, nucleic acids, and cell wall peptidoglycans in Gram-positive bacteria.

Reagent

Nanaomycin is supplied as a powder.

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Nanaomycin can be dissolved in 0.01 M Trizma base.

Storage/Stability

Store the product at -20°C . After reconstitution, the solution should be kept at -20°C .

References

1. Tanaka, Y., *et al.*, J. of Antibiotics, **52**, 10 (1999).
2. Marumo, H., *et al.*, J. of Antibiotics, **33**, 8 (1980).
3. Tanaka, H., *et al.*, J. of Antibiotics, **28**, 12 (1975).

SBC,KAA,LG,MAM 09/19-1