


## Certificate of Analysis

Catalog Number	
Product Name	Oligomycin

## Physical and Chemical Properties

CAS No.	1404-19-9
Solubility	Ethanol: 30 mg/mL (Need ultrasonic and warming) DMSO: 20 mg/mL (Need ultrasonic and warming)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	Oligomycin, an antifungal antibiotic, is an inhibitor of H <sup>+</sup> -ATP-synthase. Oligomycin blocks oxidative phosphorylation and the electron transport chain. Oligomycin inhibits HIF-1alpha expression in hypoxic tumor cells.
In vitro	Oligomycin, inhibitor of the F <sub>0</sub> part of H <sup>+</sup> -ATP-synthase, suppresses the TNF-induced apoptosis.

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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