

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-30 12:06:48

Date of Next Testing: 2027-10-29 12:06:48

Product Name: **lonomycin (free acid)**

CAS Number: 56092-81-0

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: J2323708

SKU # **I139530**

Version **0**

**Analysis #:** **284901**

Storage Temperature: Protected from light,Store at -20°C,Argon charged

| Parameter                                               | Limit Values                        | Result                              |
|---------------------------------------------------------|-------------------------------------|-------------------------------------|
| Purity(HPLC,RP C18 column,isocratic,methanol: 0.1% TFA) | 98-100 (%)                          | 99.84000 %                          |
| Purity(TLC,NP, ethyl acetate: methanol 95:5)            | 98-100 (%)                          | 99.52000 %                          |
| Purity(HPLC)                                            | 98-100 (%)                          | 99.84000 %                          |
| Purity(TLC,RP C18 MeOH: H2O 9:1)                        | 98-100 (%)                          | 99.00000 %                          |
| Appearance (I139530)                                    | waxy solid                          | waxy solid                          |
| Proton NMR spectrum                                     | Conforms to Structure               | Conforms to Structure               |
| Solubility in DMSO/EtOH                                 | Clear colorless solution at 10mg/ml | Clear colorless solution at 10mg/ml |
| Solubility in MeOH , Clear colorless solution at 5mg/ml | pass                                | Pass                                |



John Su  
QA & QC Manager