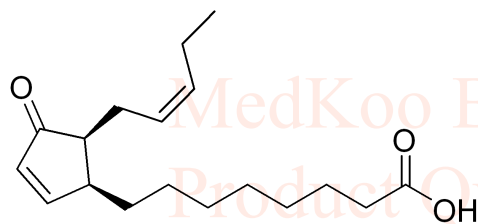


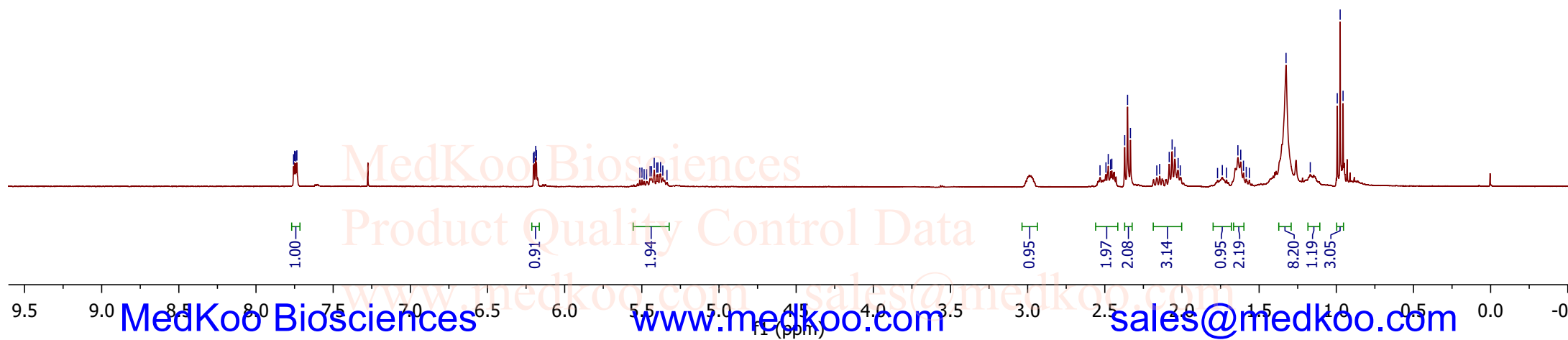
7.76, 7.75, 7.74, 7.74, 6.20, 6.20, 6.19, 6.18, 5.51, 5.50, 5.49, 5.47, 5.45, 5.44, 5.42, 5.40, 5.40, 5.38, 5.36, 5.34, 2.53, 2.49, 2.48, 2.46, 2.45, 2.37, 2.35, 2.33, 2.16, 2.14, 2.08, 2.06, 2.05, 2.02, 2.01, 1.77, 1.74, 1.71, 1.64, 1.62, 1.60, 1.58, 1.56, 1.33, 1.17, 0.99, 0.97, 0.96

# 12-Oxo-Phytodienoic acid HNMR Analysis, Solvent:CDCl3

MedKoo Biosciences  
 Product Quality Control Data  
 www.medkoo.com sales@medkoo.com



MedKoo Cat#: 561523  
 Name: 12-Oxo-Phytodienoic acid  
 CAS#: 85551-10-6  
 Lot#: YXM91127  
 Chemical Formula: C18H28O3  
 Exact Mass: 292.2038  
 Molecular Weight: 292.41

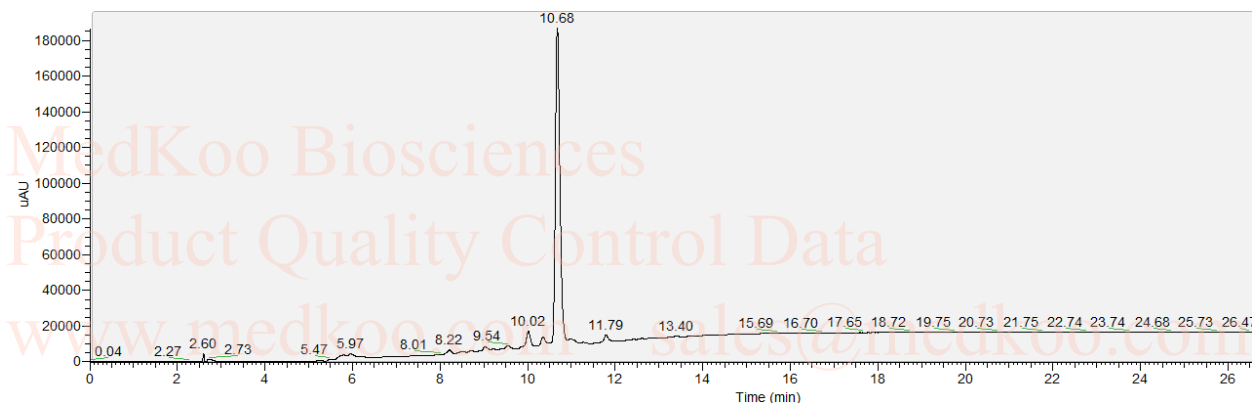


# 12-Oxo-Phytodienoic acid LC/MS Analysis Report

**LC/MS analysis (with diode array detector and high-resolution mass spectrometer):**

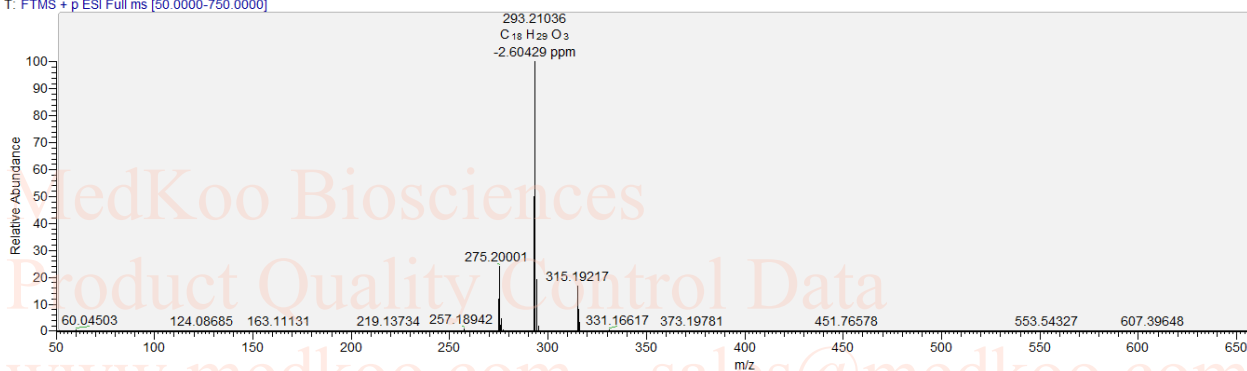
**12-Oxo-Phytodienoic acid (Lot#YXM91127) (Overall, the purity is 91.7%)**

UV chromatogram at 210 nm (peak at 6 min is from background):

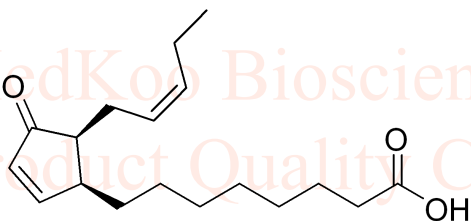


Mass spectrum (positive electrospray ionization) from above peak 10.7 min:

OPDA #1053 RT: 10.76 AV: 1 NL: 2.87E9  
T: FTMS + p ESI Full ms [50.0000-750.0000]



Note: High-resolution mass spectrum confirms target compound ( $[M + H]^+$ ): If the error between the theoretical  $m/z$  and the experimental  $m/z$  is less than 5 ppm, it is considered as a match.  $m/z$  315 is  $[M + Na]^+$ ,  $m/z$  275 is  $[M + H - H_2O]^+$ .



MedKoo Cat#: 561523

Name: 12-Oxo-Phytodienoic acid

CAS#: 85551-10-6

Lot#: YXM91127

Chemical Formula: C<sub>18</sub>H<sub>28</sub>O<sub>3</sub>

Exact Mass: 292.2038

Molecular Weight: 292.41